Introduction to the MSc Geomatics Graduation thesis (GEO2021)

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Ken Arroyo Ohori (new coordinator)

Academic year 2025-2026

TU Delft Delft University of Technology

Agenda

1. All information is on the website
2. What is an MSc thesis?
3. The graduation manual (the rules)
4. How to pick a topic?
5. The milestones (the As)
6. The graduation system
7. Some research tips
8. Questions

https://geomatics.bk.tudelft.nl/geo2021/

GEO2021

MSc Geomatics

A

Info about the As

Latest news

⚠ For students who started before the 2025-2026 academic year (P system), see the GEO2020 website.

23 May 2025: Intro session on 3rd June at 13:30 room Q

all news

Templates for deliverables

FAQ

Example theses

Graduating with a company

Research & writing tips

Potential topics

Stuff for supervisors

Current Theses

Graduation calendars

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News

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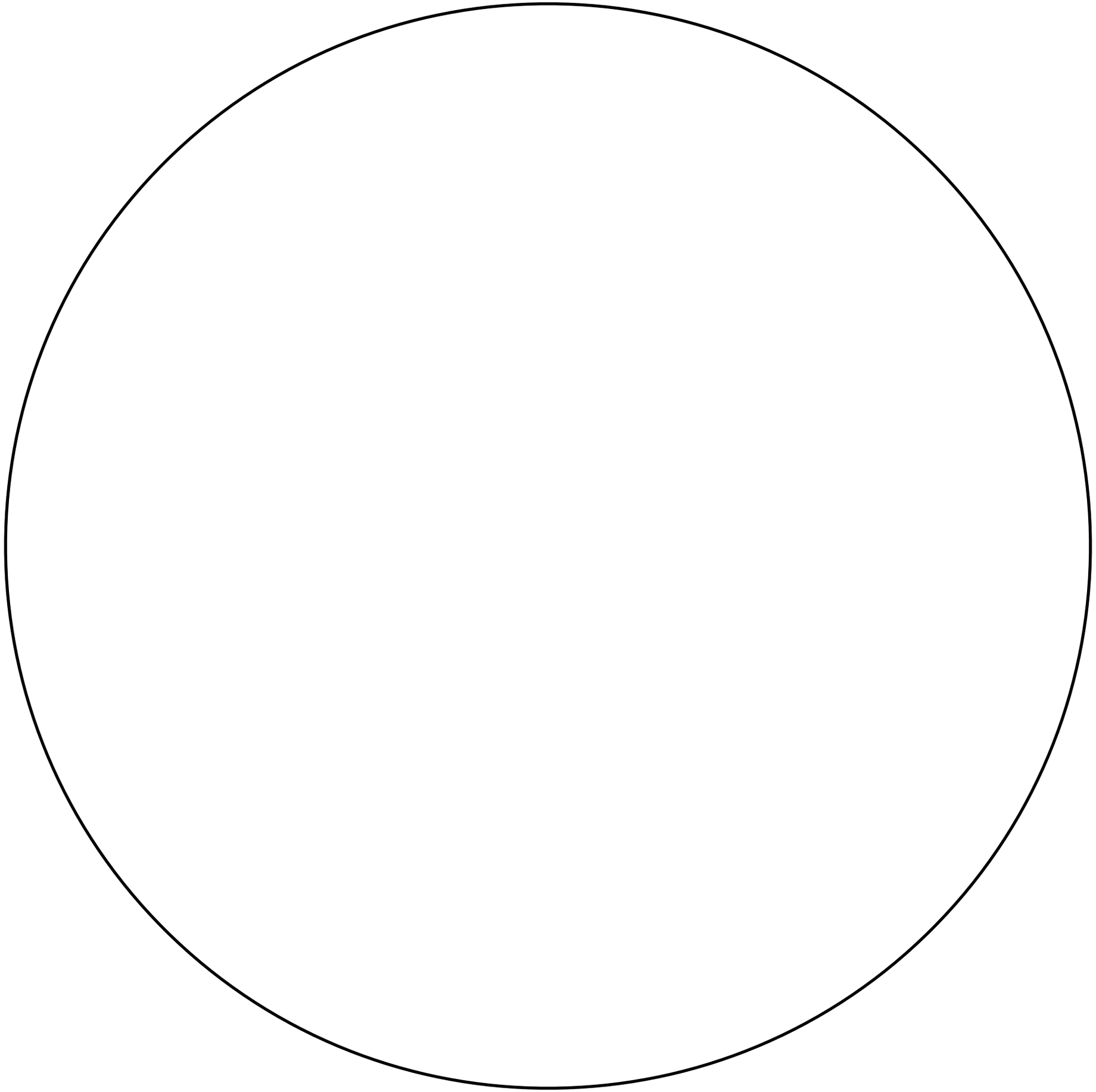
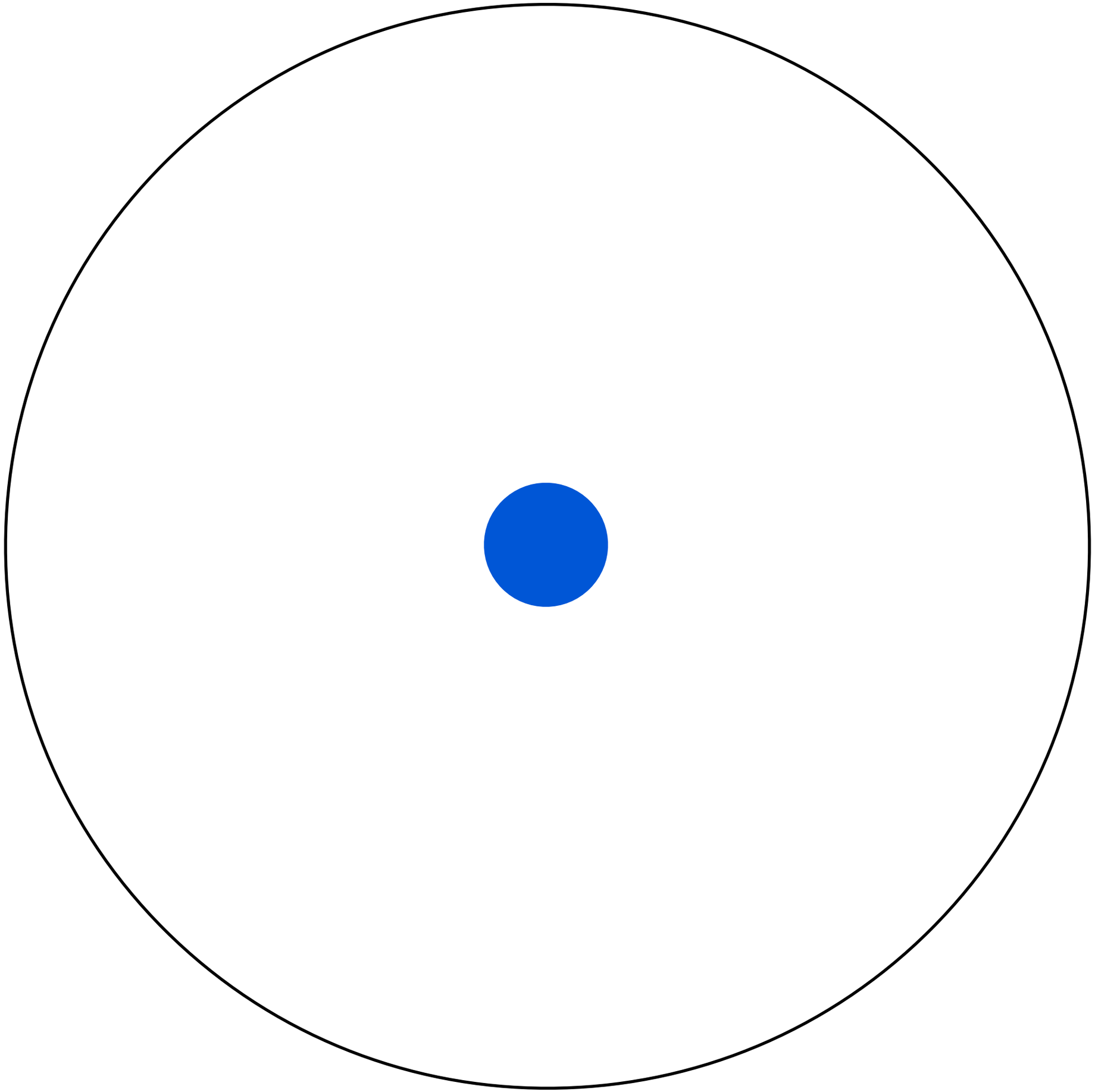
23 May 2025
Intro session on 3rd June at 13:30 room Q

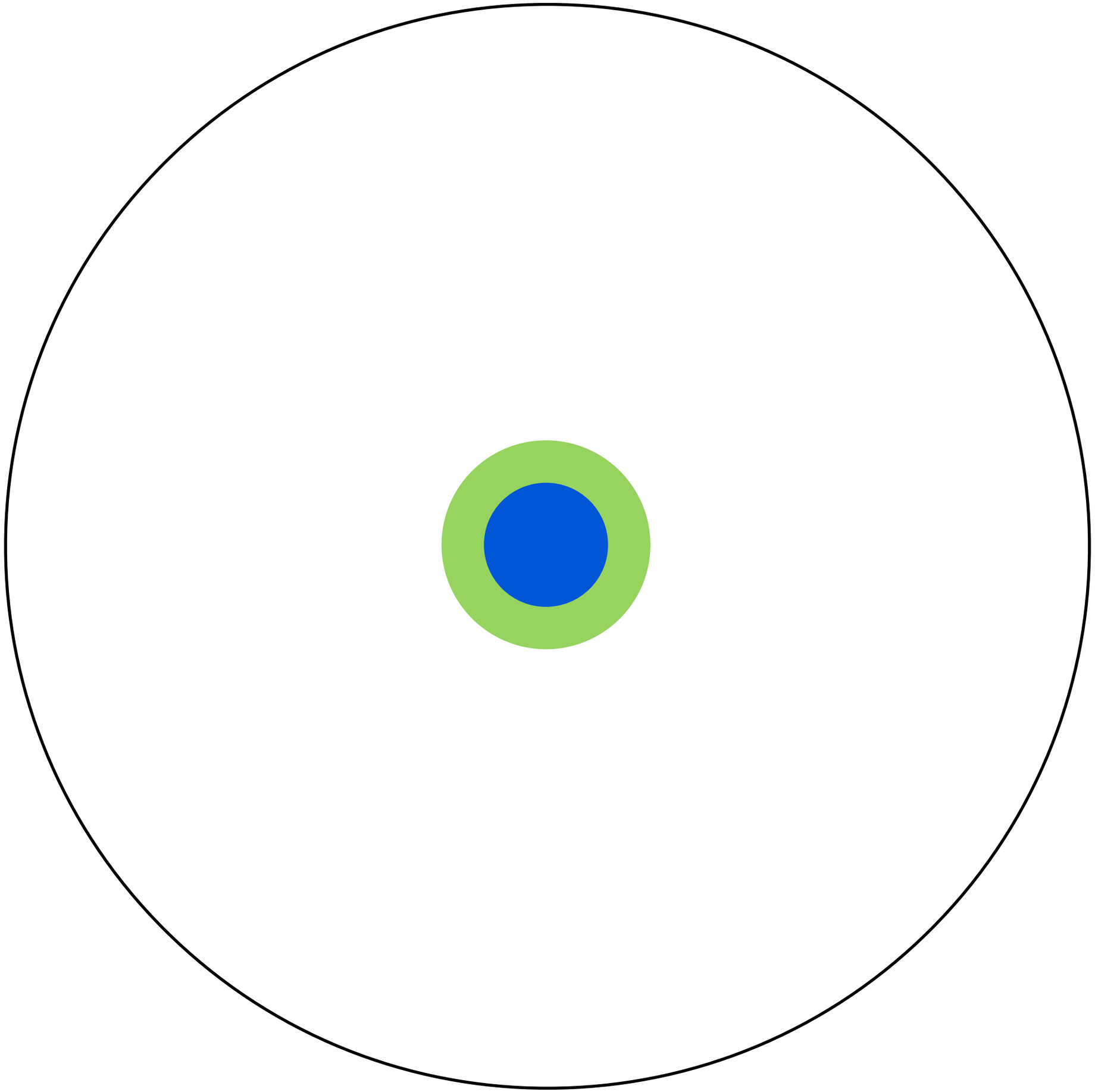
But check #geo2021 on discord (simpler!)

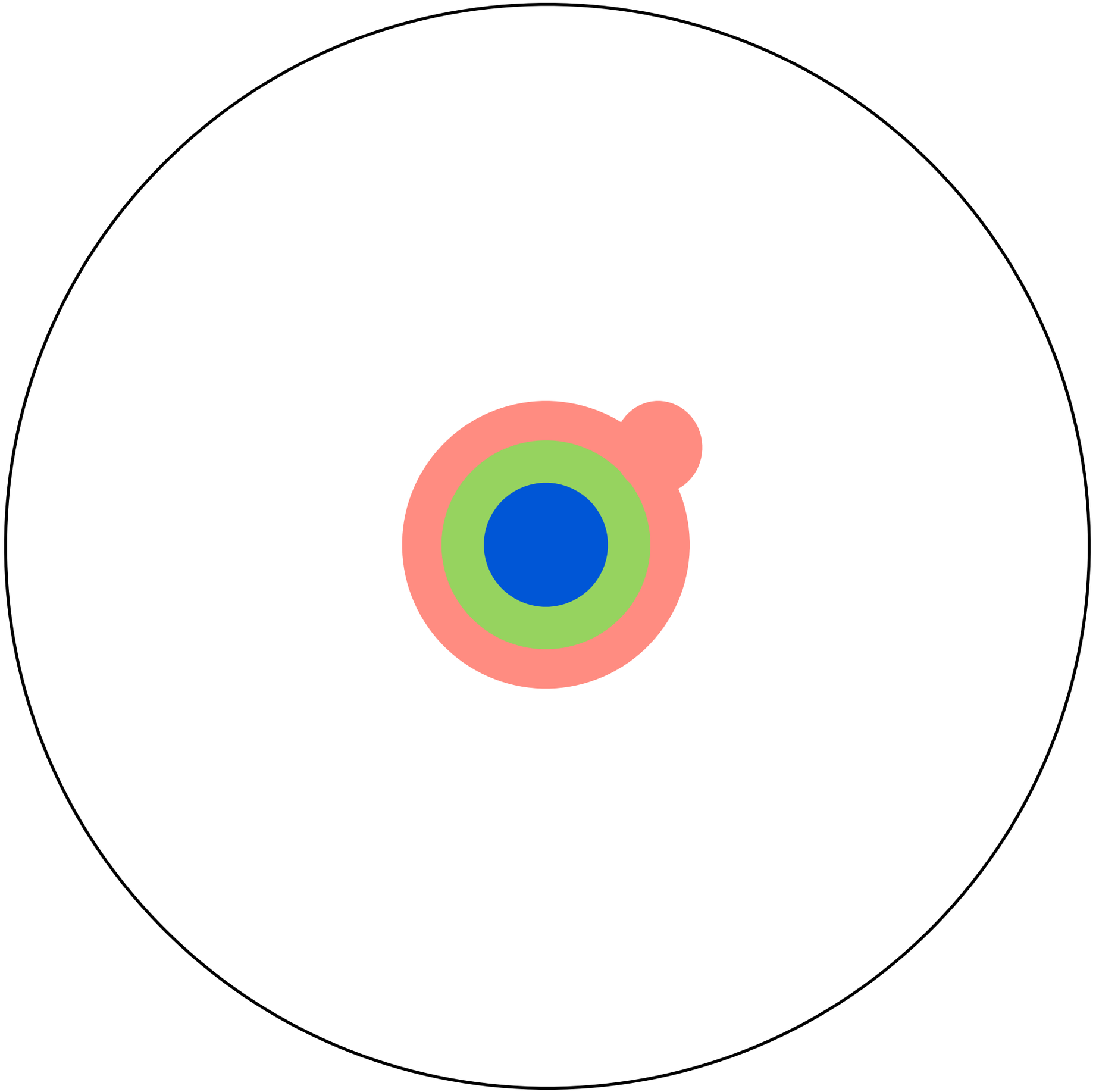
2. What is an MSc thesis?

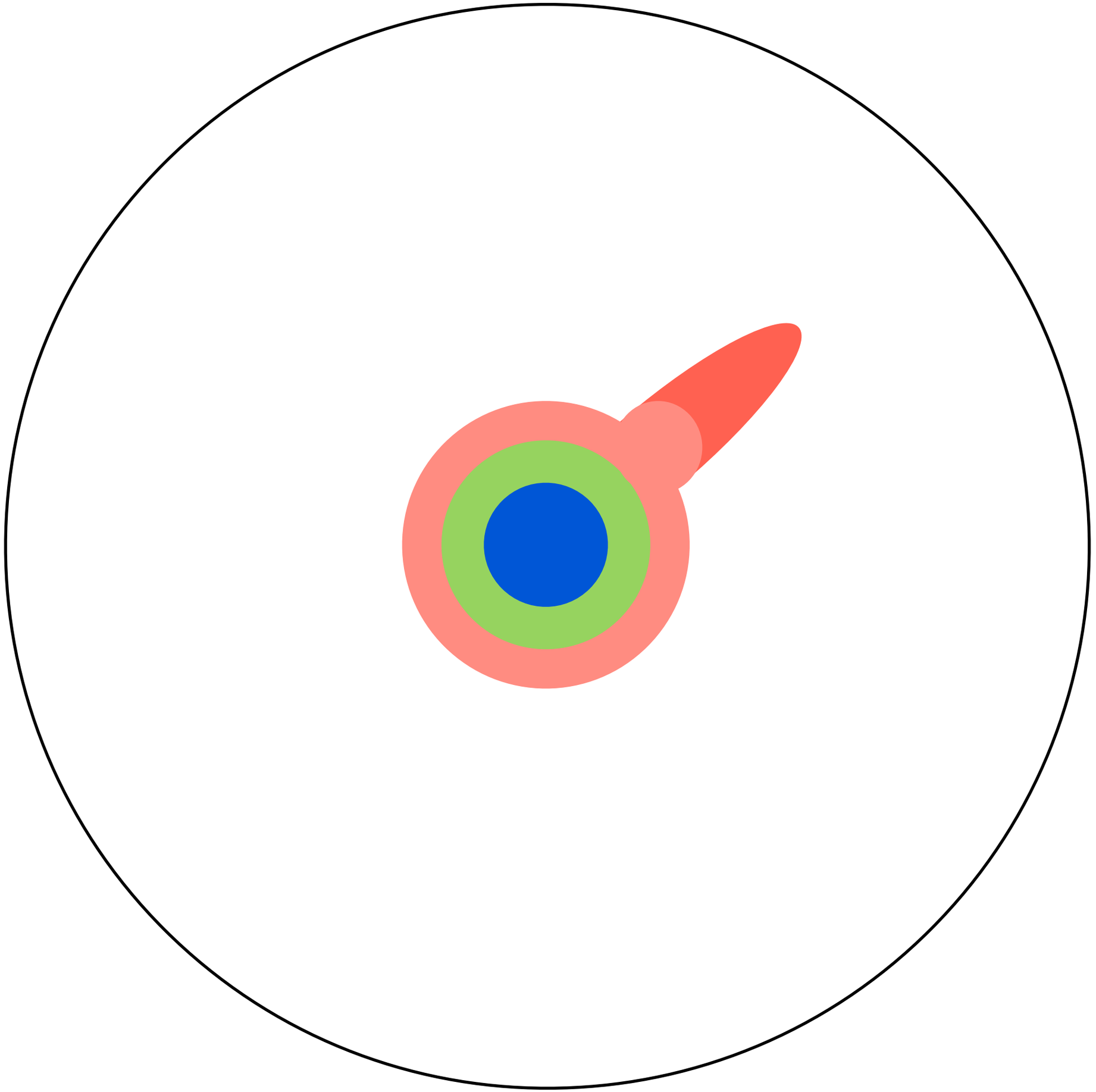


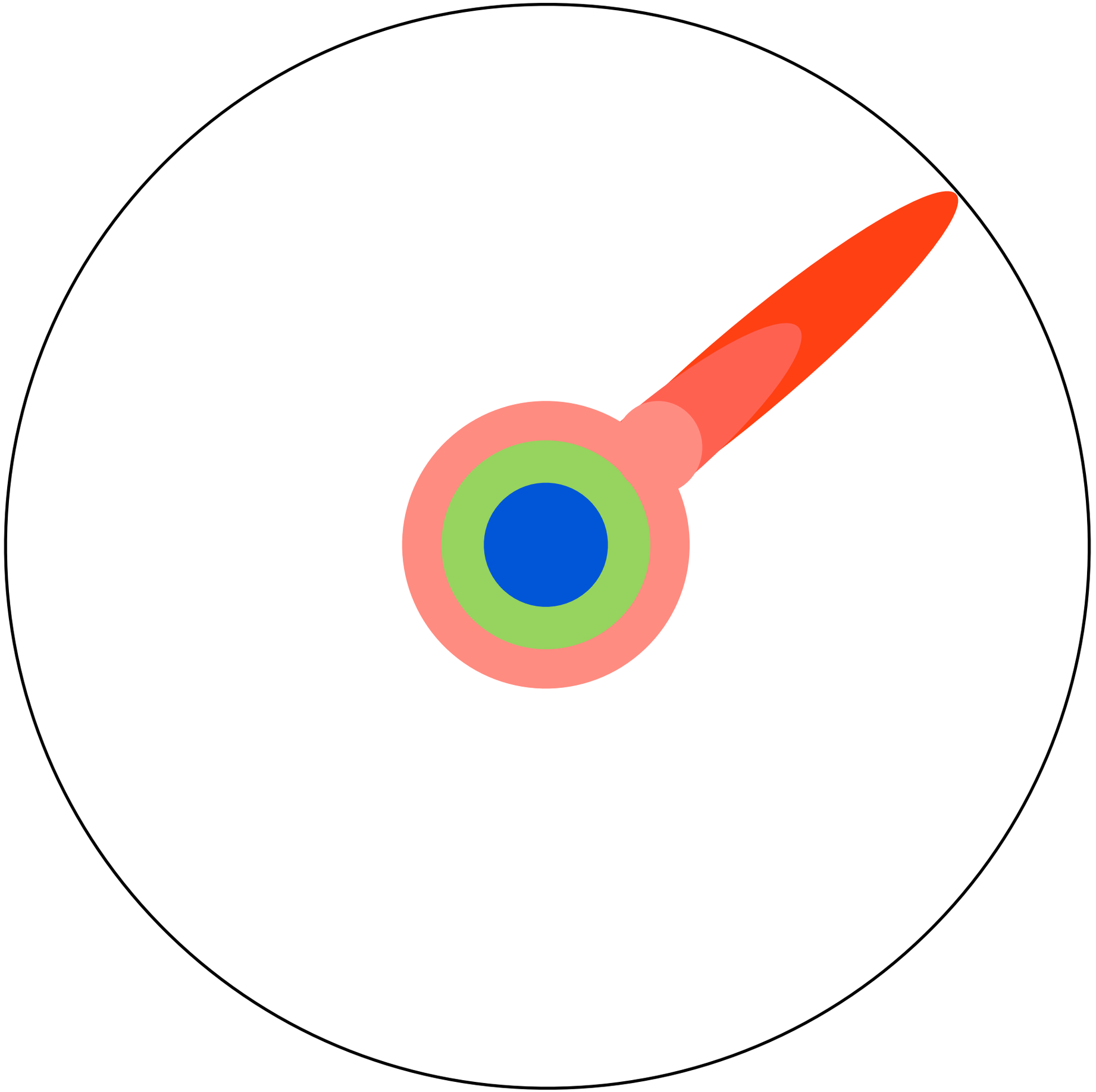
Slides (slightly modified) from Matt Might, The Illustrated Guide to a Ph.D., http://matt.might.net/articles/phd-school-in-pictures/

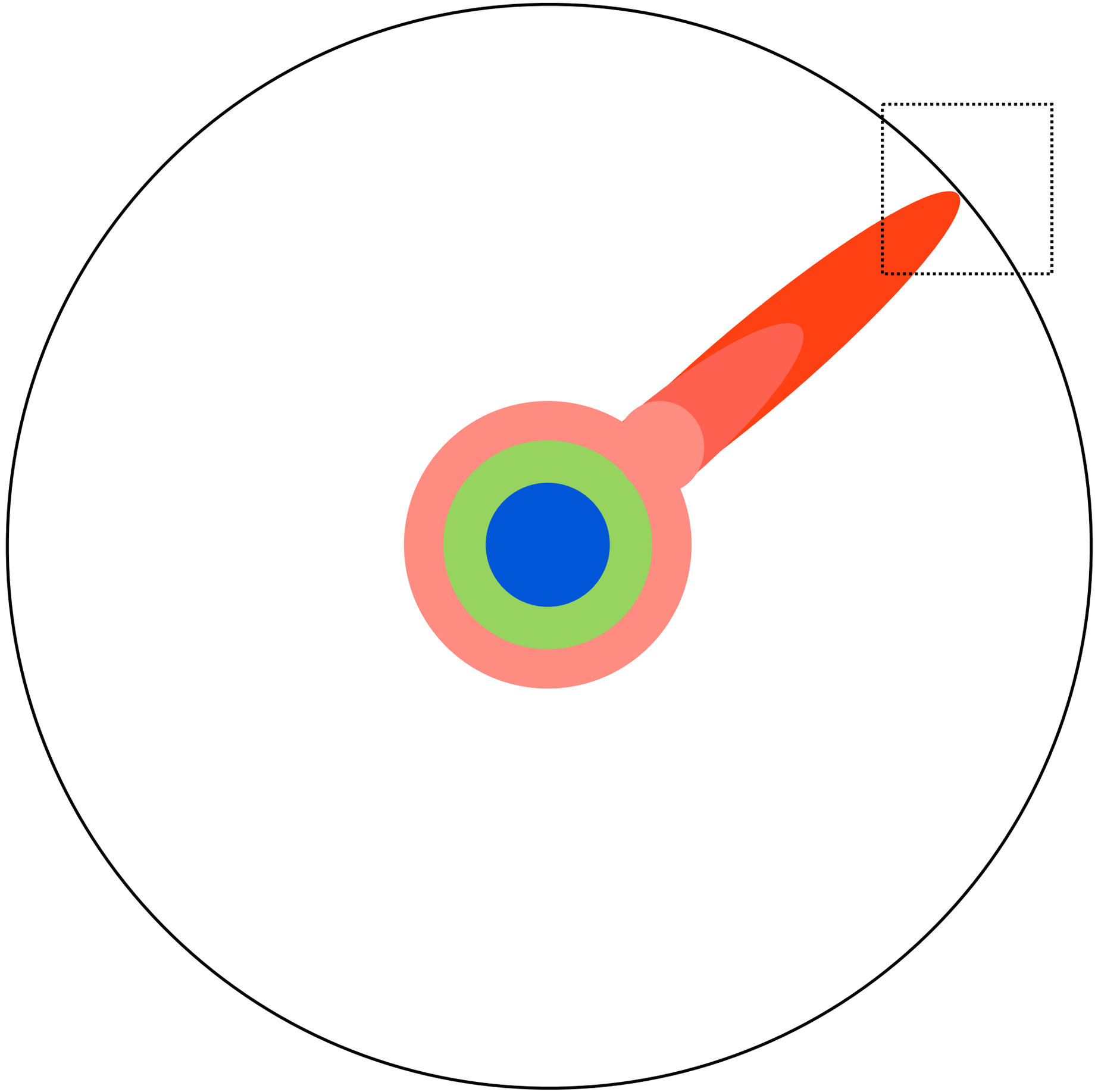


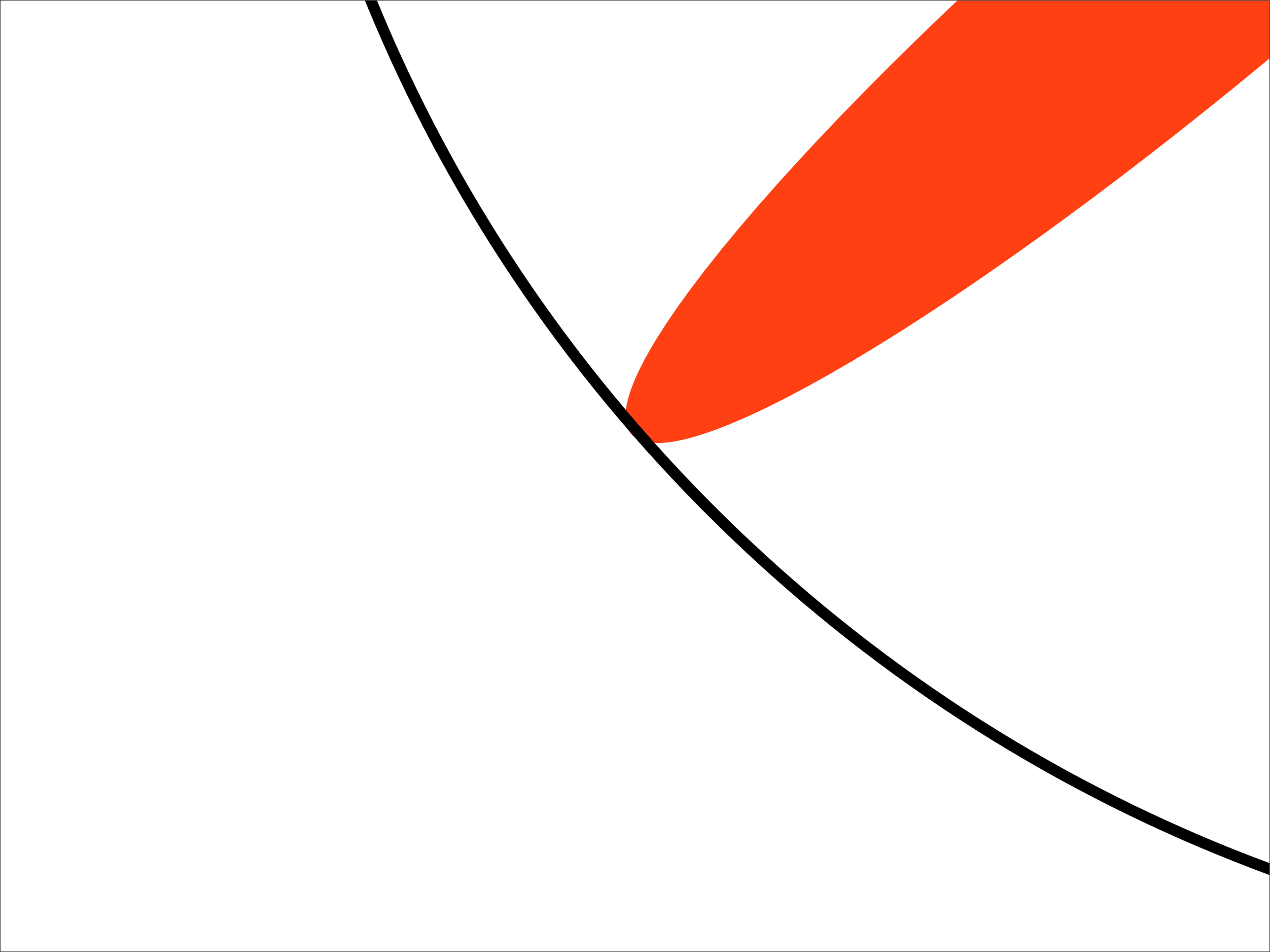


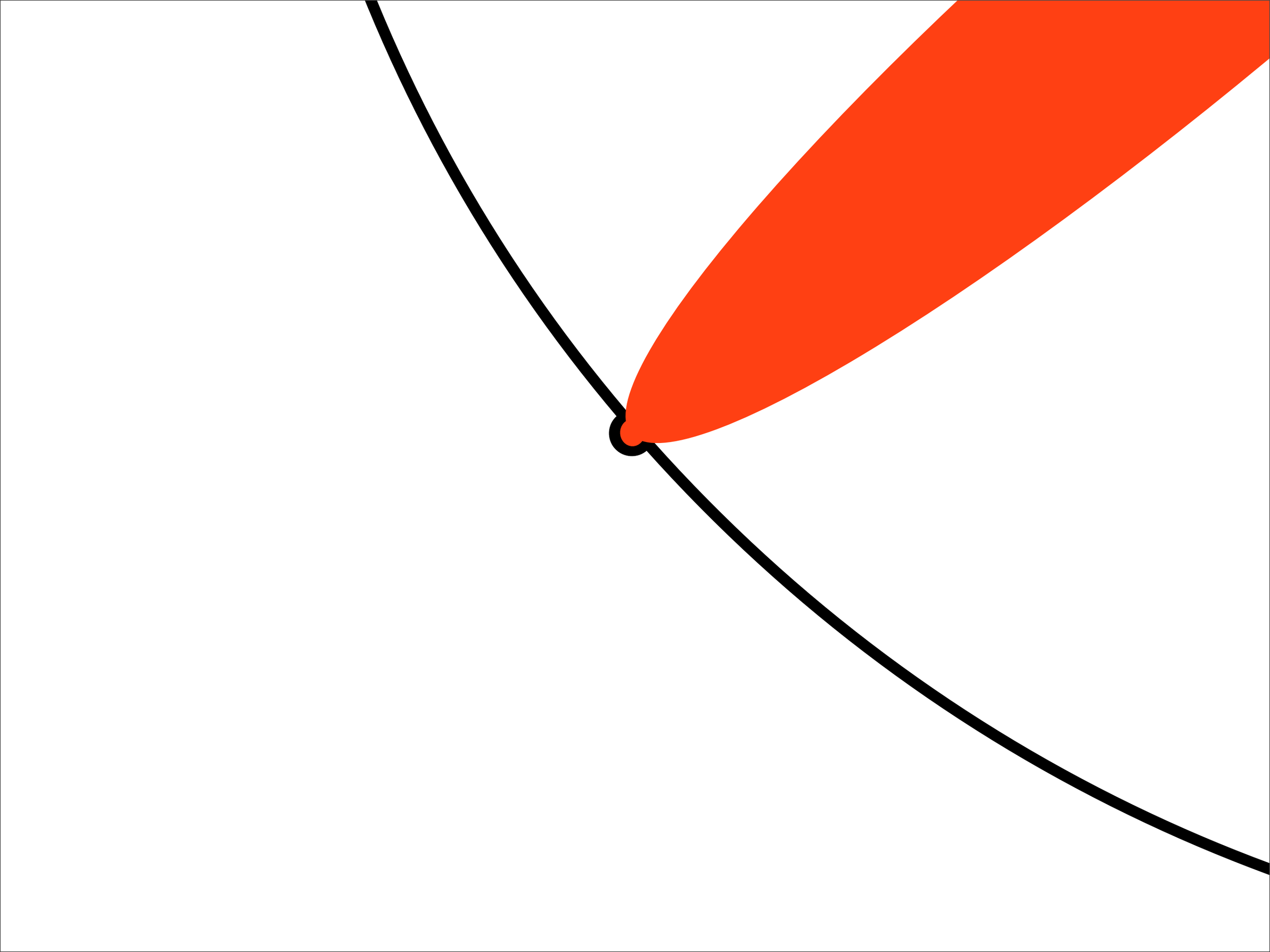








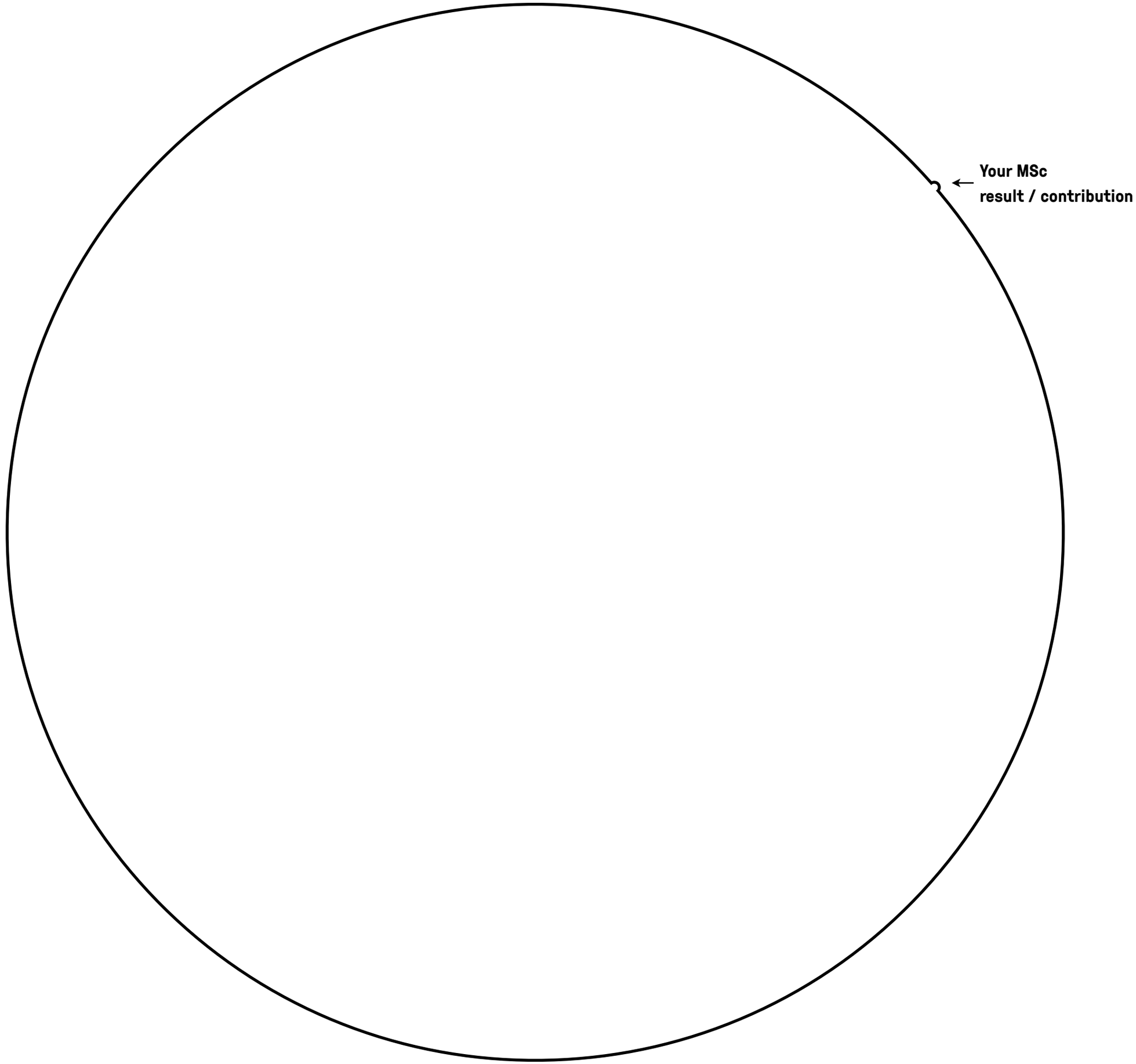




Your (ambitious) MSc result / contribution

or also possible:
2 different fields

Your MSc contribution: “linking” 2 different domains


Your MSc
result / contribution

Deliverables

1. **Scientific thesis**
   - scientific character, reproducible?
   - should document your results and the engineering decisions you took to achieve your main result
2. **Code and/or data**
   - documented, clear, organised
   - efforts to make code/data open and reusable
3. **Presentations**

These aspects are also evaluated

- whether you worked independently or not
- how you carried out the research project
- how complex is your topic
- your main contribution to the state-of-the-art of your area of research

There's a grading scheme for the thesis (rubric)

category / mark	Research (50%)	Process (20%)	Communication (30%) (Report (60%) & Presentation (40%))
insufficient (<5,75)	- General problem cannot be explained - No specific research questions/objectives - Unable to place the research in a wider context, no clear literature research - The research resulted in almost no work, using already existing sources - The results do not answer the research questions - No substantial conclusions	- Not autonomus or proactive at all - Never responsive when new alternatives are suggested - Rarely taking in feedback from supervisors and implementing changes - Misuse of resources (data, computational time, people time) - No real planning, missed most of the deadlines - No original ideas were provided within the project, most of the work is copied and already developed	- Report has no structure - Report does not document sufficiently the research done, not reproducible - Report lacks visual material - Presentation is chaotic, not clear structure - Presentation has no motivation - In presentation loses audience rapidly - Candidate cannot address the questions posed - Clear lack of understanding of the scientific problem under study
6	- Motivation can be broadly discerned, but it is not well understood - General problem is vague or without clear boundaries (scope) - Sufficient introduction and justification of the research topic, but superficial (limited literature review) - The choices of methods and data are not justified or explained - Limited critical attitude and ability to reflect on the wides scope of application of the research - The answers to the research questions are satisfactory - Results interpreted to a limited extent	- Sometimes autonomous and proactive, but generally needed steering by supervisors - Rarely came up with creative new ideas and new sources of information - Little response/action to feedback from supervisors for self-improvement - Makes inefficient but passable use of resources (e.g. tools, data, own/supervisor's time) - Contribution to the project is somewhat original - Limited initiative and suggestions within the project - Basic timeline and plan prepared, but little followed or updated	- Report has just right structure, consistency and clarity, with significant corrections by supervisors - Report does not document all the parts of the research done (reproducibility issues) - Presentation follows a structure, but with some issues in clarity - Presentation gives a decent summary of motivation, problem, work done, results and conclusions - Sufficient presentation material (e.g. slides, videos, demos) - Interaction with the audience is sufficient (eye contact, body language, tone of voice, pace of speaking) - Gets attention of the audience - Can answer most of the questions raised - Shows superficial knowledge, not in depth control of the topic
7	- Motivation can be understood and related to the problem - General problem is clear with defined boundaries (scope) - Sufficient introduction and justification of the research topic, with fair literature support (decent literature review) - The choices of methods and data are partly justified - Fair critical attitude and ability to reflect on the wides scope of application of the research - The answers for the research questions are more than satisfactory - Results interpreted with a critical attitude independently	- Mostly autonomous, generally trying approaches before asking for help - Few times came up with new ideas or found new sources of information - Was able to contribute to discussions about the research during meetings - Critical attitude towards the work done, but most key issues had to be pointed out by supervisors - Uses feedback from supervisors for self-improvement - Use of resources is appropriate (e.g., tools, data, own/supervisor's time) - Contribution to the project is partly original - Some initiative and suggestions by the student - Good timeline and plan prepared, often followed or updated	- Report follows a structure, with issues in clarity and organization - Report documents all the parts of the research done (no reproducibility issues) - Report is generally well written, but contains significant errors and needs improvements - Abstract does not capture most of the work - Report properly acknowledges other work broadly and contains a fair list of references - Presentation follows a structure, but with some issues in clarity and organization - Presentation gives a decent summary of motivation, problem, work done, results and conclusions - Good presentation material (e.g. slides, videos, demos) - Interaction with the audience is appropriate (eye contact, body language, tone of voice, pace of speaking) - Gets attention of the audience and maintains it to some extent - Questions are answered well with some gaps - Confident with the content for its application
8	- Motivation is clearly shown and connected to the probelm - General problem is clear and has defined limitations - Good introduction and justification of the research topic with supporting literature (but not all included) - The choices of methods and data are justified and logical - Demonstrate critical attitude and ability to reflect on the wides scope of application of the research - The answers to the research questions are good - Results interpreted critically and discussed in a broader scope of the discipline	- Mostly autonomous and proactive, generally taking control of the project and steering it to completion with some hiccups - Sometimes came up with new ideas and found new sources of information - Was able to contribute to lively discussions about the project during meetings - Critical attitude towards the work done, but key issues had to be pointed out by supervisors - Sometimes uses feedback from supervisors for self-improvement - Makes good use of resources (e.g. tools, data, own/supervisor's time) - Contribution to the project is original, with suggestions by supervisors - Several initiative and suggestions within the project - Prepared a good and feasible plan at the beginning of the research project, which was mostly followed or adjusted when needed (e.g. according to progress and new findings)	- Report follows a structure, with minor issues in clarity - Report documents all the parts of the research done (no reproducibility issues) - Report is generally well written, but contains a few errors and needs improvements - Abstract captures most of the work - Report properly acknowledges other work most of the time and contains a mostly complete list of references - Work yields some other output (e.g. software, data), which is added to the report - Presentation follows a structure, but with some issues in clarity - Presentation gives a good summary of motivation, problem, work done, results and conclusions - More than satisfactory material (e.g. slides, videos, demos) - Interaction with the audience is good (eye contact, body language, tone of voice, pace of speaking) - Maintains attention of the audience for most of the presentation - Most questions are correctly answered - Very confident with the content at a research and development level
9	- Motivation is clearly described and connected with the need of solutions of the problem - General problem is clear, has boundaries or limitations and is feasible - Good introduction and justification of the research topic, with vast literature support - The choices of methods and data are justified and logical - Good critical attitude and ability to reflect on the wides scope of application of the research - The answers to the research qestions are very good - Results interpreted critically and discussed in a broader scope of the discipline, with proposed solutions or alternative approaches when necessary	- Autonomous and proactive, taking control of the project and steering it - Most times came up with new ideas and found new sources of information - Was able to lead lively discussions about the research during meetings - Critical attitude towards the work done, pointing out the issues by him/her/theirselves - Uses feedback from supervisors for self-improvement - Makes very good use of resources (e.g. tools, data, own/supervisor's time) - Contribution to the project is original, with almost no intervention by supervisors - Many initiative and suggestions within the project - Prepared a clear and feasible plan at the beginning of the research project, which was followed and improved when needed (e.g. according to progress and new findings)	- Report follows a clear structure - Report documents all the parts of the research done - Report is well written, with a very few writing errors - Abstract captures the essence of the work - Report properly acknowledges other work most of the time and contains a mostly complete list of references - Work yields some other output (e.g. software, data), which is added to the report and published in an ad hoc manner - Presentation follows a clear structure - Presentation gives a very good summary of motivation, problem, work done, results and conclusions - Very good presentation material (e.g. slides, videos, demos) - Interaction with the audience is very good (eye contact, body language, tone of voice, pace of speaking) - Maintains constant attention of the audience - Questions are answered well, without further deepening in the topic - Masters the content within the research topic
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It's available online

3. The graduation manual

Graduation Manual

Master Geomatics

Academic year 2022–2023

For you will be 2025-2026

TU Delft

Graduation Manual

Master Geomatics

Academic year 2022–2023

TU Delft

All the rules are in it, thus read it!

Graduation Manual

Master Geomatics

Academic year 2022–2023

All the rules are in it, thus read it!

TWICE!

TU Delft

Little known fact:

Your supervisors don't know the rules.

It's <u>your</u> responsibility to know them.

4. How to pick a topic?

How do I pick a topic?

- ➡️ https://geomatics.bk.tudelft.nl/geo2021/potentialtopics/
- Each staff has 3-4 potential topics to offer
- You are allowed to propose own topic to staff (speak directly to them first)
- By the 19th of September you should have picked a topic with one supervisor at least

My personal advice

1. Pick a supervisor you like and think you can work with for ~9 months.

2. Pick a topic that you **love**, otherwise it'll be painful...

—

- most of us have a personal website
- look at the research interests, publications, theses supervised, etc

You need 2 mentors (=supervisors)

- **1st supervisor**: daily supervisor (anyone involved in MSc Geomatics, including PhD students)
- **2nd supervisor**: another specialist in the area, anywhere at TU Delft.

→ at least one of your mentors should hold a PhD degree

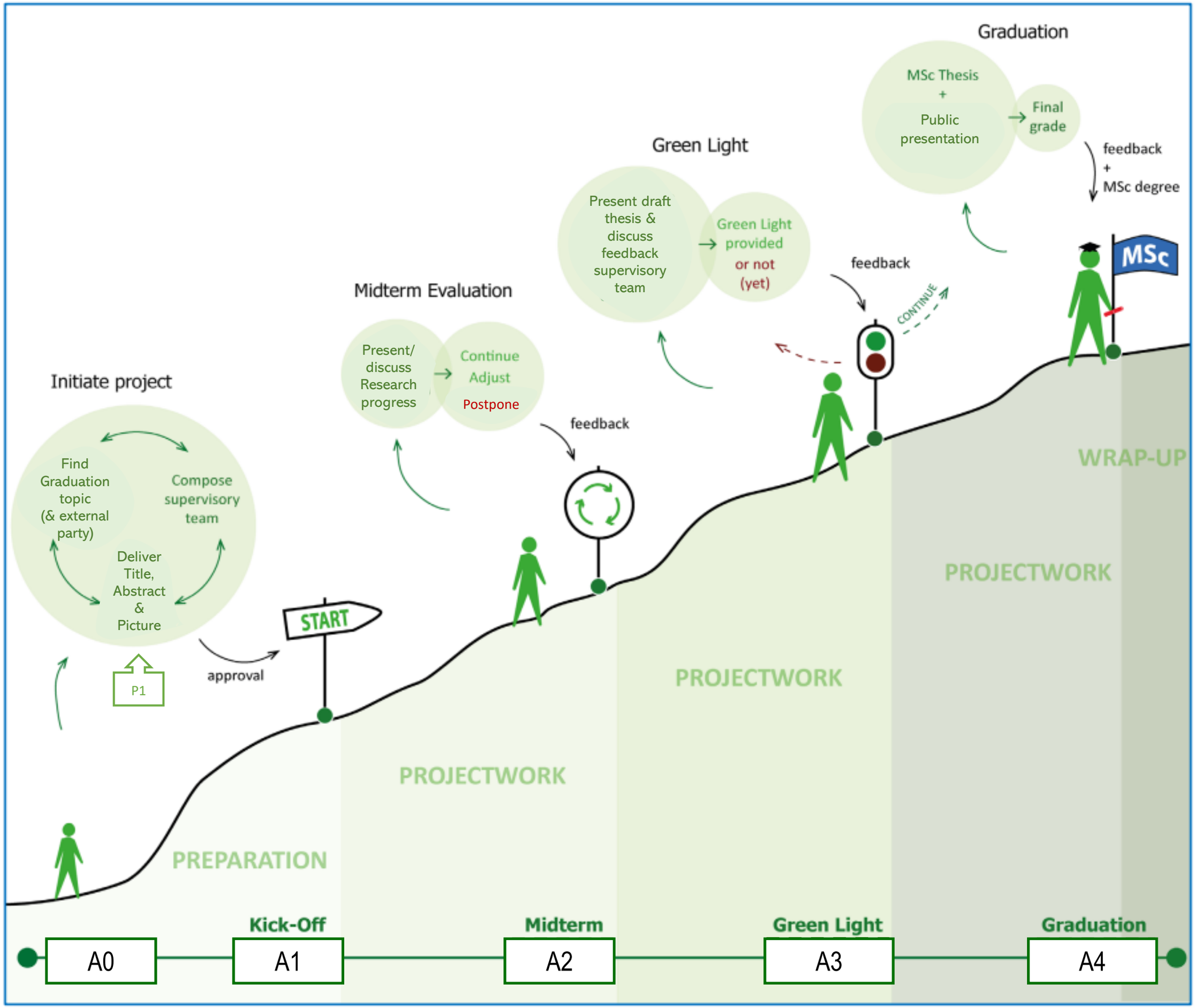
Can I do my thesis work at a company?

Yes and no.

That is, you are allowed to pick a topic that is proposed by a company. However, the main mentor of the project has to be a staff of the university and the project has to be a *scientific one*.

Order is (1) speak to staff here; (2) speak to company.

4. The milestones (the As)


Graduation
MSc Thesis
+
Public presentation
Final grade
feedback
+
MSc degree
Green Light
Present draft thesis & discuss feedback supervisory team
Green Light provided or not (yet)
feedback
CONTINUE
MSc
Midterm Evaluation
Present/ discuss Research progress
Continue
Adjust
Postpone
feedback
Initiate project
Find Graduation topic (& external party)
Compose supervisory team
Deliver Title, Abstract & Picture
P1
approval
START
WRAP-UP
PROJECTWORK
PROJECTWORK
PROJECTWORK
PREPARATION
Kick-Off
Midterm
Green Light
Graduation
A0
A1
A2
A3
A4

Milestones (the Ps)

- **A0:** Topic defined + 2 supervisors known. You will be listed at https://geomatics.bk.tudelft.nl/geo2021/theses/

- **A1 - Kick off**: Full research proposal (go/no-go) + 15min presentation. You have preliminary results

- **A2 - mid term:** mid-term meeting with your supervisor (up to your supervisors to decide which form it takes)

- **A3 - green light:** final go/no-go. You have a full draft thesis. Your supervisors assess whether you can finish within 2 weeks and give you a preliminary mark. Optional 10min presentation. Overall 30 mins discussion.

- **A4 - graduation:** final defence: thesis finalised + full 30min presentation + final mark + diploma/flowers

Milestones (the As)

A0	A1	A2	A3	A4
Product: *Preliminary graduation plan*	***Product:*** *Final graduation plan*	**Product:** *Preliminary products proposed in P2*	**Product** *Master's thesis report*	**Product** *Final master's thesis report*
Research ▪ problem statement ▪ objectives ▪ short methodology	***Research*** ▪ motivation / problem field /relevance ▪ position in the academic and scientific field ▪ problem statement, objectives, research questions, ▪ approach, theoretical framework, methodology ▪ references ▪ preliminary project set up and results	***Research*** ▪ methodology ▪ link theory-design & planning ▪ preliminary conclusions	***Research*** ▪ motivation / problem field / relevance ▪ theoretical framework ▪ methodological framework ▪ analyses, research results ▪ conclusions / recommendations ▪ references	***Research*** ▪ motivation / problem field / relevance ▪ theoretical framework ▪ methodological framework ▪ analyses, research results ▪ conclusions / recommendations ▪ references
	Presentation ▪ *written, oral, graphics and demo*	***Presentation*** ▪ *written, oral, graphics and demo*	***Presentation*** *written, oral, graphics and demo*	***Presentation*** ▪ *written, oral, graphics and demo*
Process ▪ planning	***Process*** ▪ academic attitude: evidence based, logical, critical ▪ planning	***Process*** ▪ academic attitude: evidence based, logical, critical ▪ planning	***Process*** ▪ academic attitude: evidence based, logical, critical ▪ planning	***Process*** ▪ academic attitude: evidence based, logical, critical
			Project ▪ originality and scientific level ▪ scientific significance ▪ independence and own initiative ▪ planning and compliance with planning ▪ conducting research ▪ controlling the subject ▪ being able to make assessment	***Project*** ▪ originality and scientific level ▪ scientific significance ▪ independence and own initiative ▪ planning and compliance with planning ▪ conducting research ▪ controlling the subject ▪ being able to make assessment ▪ *reflection on the value of the graduation research in the larger social and scientific framework*

GEO2011 + GEO2020

- **GEO2021** ‘Geomatics studio’ will start in Q6 on a selected topic that will change per student and yearly

- When in doubt: https://www.tudelft.nl/onderwijs/opleidingen/masters/gm/msc-geomatics/programme

Second year				
3rd semester			4th semester	
1st quarter		2nd quarter	3rd quarter	4th quarter
Synthesis Project (10 EC)	Or: Joint Interdisciplinary projects (15 EC)	Thesis Preparation (10 EC)	Graduation Project (30 EC)	
Free electives (5 EC)		Free electives (5 EC)		

GEO2011 + GEO2020

- **GEO2021** ‘Geomatics studio’ will start in Q6 on a selected topic that will change per student and yearly

- When in doubt: https://www.tudelft.nl/onderwijs/opleidingen/masters/gm/msc-geomatics/programme

Still not updated!

Second year				
3rd semester			4th semester	
1st quarter		2nd quarter	3rd quarter	4th quarter
Synthesis Project (10 EC)	Or: Joint Interdisciplinary projects (15 EC)	Thesis Preparation (10 EC)	Graduation Project (30 EC)	
Free electives (5 EC)		Free electives (5 EC)		

Admission

Likely in graduation manual 2025-2026:

1.1 **Admission**

Students who enter the graduation programme should **have completed at least nine of the ten 5 EC (45ECTS)** *core courses and* **electives worth 10 EC**. *You start the graduation programme with registration (AO).*

The enrolment for the A1 evaluation is only possible if the student has obtained all credits (EC) of the core courses of the first year with the exception of 1 core course (5 EC) maximum and also completed the 10 EC of elective courses.

Admission (2)

(from graduation manual):

For final period (A3)

Student has obtained all educational components.

Academic Calendar 2025 / 2026

Graduation

Autumn semester

Calendar Week	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5
Teaching week	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.10	2.1	2.2	2.3	2.4	2.5	2.6	Christmas period		2.7	2.8	2.9	2.10

	Sept.					Oct.				Nov.				Dec.					Jan.			
Mon	1	8	15	22	29	6	13	20	27	3	10	17	24	1	8	15	22	29	5	12	19	26
Tues	2	9	16	23	30	7	14	21	28	4	11	18	25	2	9	16	23	30	6	13	20	27
Wed	3	10	17	24	1	8	15	22	29	5	12	19	26	3	10	17	24	31	7	14	21	28
Thurs	4	11	18	25	2	9	16	23	30	6	13	20	27	4	11	18	25	1	8	15	22	29
Fri	5	12	19	26	3	10	17	24	31	7	14	21	28	5	12	19	26	2	9	16	23	30

Spring semester

Calendar Week	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Teaching week	Spring break	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	3.10	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	4.10

	Feb.				Mar.					Apr.				May				June			
Mon	2	9	16	23	2	9	16	23	30	6	13	20	27	4	11	18	25	1	8	15	22
Tues	3	10	17	24	3	10	17	24	31	7	14	21	28	5	12	19	26	2	9	16	23
Wed	4	11	18	25	4	11	18	25	1	8	15	22	29	6	13	20	27	3	10	17	24
Thurs	5	12	19	26	5	12	19	26	2	9	16	23	30	7	14	21	28	4	11	18	25
Fri	6	13	20	27	6	13	20	27	3	10	17	24	1	8	15	22	29	5	12	19	26

Summer period

Calendar Week	27	28	29	30	31	32	33	34	35
Summer period	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9

	July					Aug.			
Mon	29	6	13	20	27	3	10	17	24
Tues	30	7	14	21	29	4	11	18	25
Wed	1	8	15	22	29	5	12	19	26
Thurs	2	9	16	23	30	6	13	20	27
Fri	3	10	17	24	31	7	14	21	28

Public Holidays	
Christmas period	Dec 22 - Jan 2
Spring Break	Feb 2 - Feb 6
Good Friday	April 3
Easter	April 5 & 6
Kings Day	April 27
Liberation Day	May 5
Ascension Day	May 14
Whit Monday	May 25

Day colours legend

Final registration date for A1 Assessment at end Q2
Final registration date for A3 and A4 assessments in Q4 and also for A1 (retake) in Q3.
Final registration date for A1 assessments in Q4.
Public final presentations take place in the period immediately after the prior A4: Green light period

Week colours legend

Education
No education
A1 Kick-off assessments
Both A1 Kick off assessment + A4 Final assessment
A3 Green light assessment
A4 Final assessment

Academic Calendar 2025 / 2026

Graduation

Autumn semester

Calendar Week	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5
Teaching week	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.10	2.1	2.2	2.3	2.4	2.5	2.6	Christmas period		2.7	2.8	2.9	2.10

	Sept.					Oct.				Nov.				Dec.					Jan.			
Mon	1	8	15	22	29	6	13	20	27	3	10	17	24	1	8	15	22	29	5	12	19	26
Tues	2	9	16	23	30	7	14	21	28	4	11	18	25	2	9	16	23	30	6	13	20	27
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Fri	5	12	19	26	3	10	17	24	31	7	14	21	28	5	12	19	26	2	9	16	23	30

A0

Spring semester

Calendar Week	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Teaching week	Spring break	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	3.10	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	4.10

	Feb.				Mar.					Apr.				May				June			
Mon	2	9	16	23	2	9	16	23	30	6	13	20	27	4	11	18	25	1	8	15	22
Tues	3	10	17	24	3	10	17	24	31	7	14	21	28	5	12	19	26	2	9	16	23
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Fri	6	13	20	27	6	13	20	27	3	10	17	24	1	8	15	22	29	5	12	19	26

Summer period

Calendar Week	27	28	29	30	31	32	33	34	35
Summer period	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9

	July					Aug.			
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Week colours legend

Education
No education
A1 Kick-off assessments
Both A1 Kick off assessment + A4 Final assessment
A3 Green light assessment
A4 Final assessment

Academic Calendar 2025 / 2026

Graduation

Autumn semester

Calendar Week	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5
Teaching week	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.10	2.1	2.2	2.3	2.4	2.5	2.6	Christmas period		2.7	2.8	2.9	2.10

	Sept.					Oct.				Nov.				Dec.					Jan.			
Mon	1	8	15	22	29	6	13	20	27	3	10	17	24	1	8	15	22	29	5	12	19	26
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Fri	5	12	19	26	3	10	17	24	31	7	14	21	28	5	12	19	26	2	9	16	23	30

A0

A1

Spring semester

Calendar Week	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Teaching week	Spring break	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	3.10	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	4.10

	Feb.				Mar.					Apr.				May				June			
Mon	2	9	16	23	2	9	16	23	30	6	13	20	27	4	11	18	25	1	8	15	22
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Wed	4	11	18	25	4	11	18	25	1	8	15	22	29	6	13	20	27	3	10	17	24
Thurs	5	12	19	26	5	12	19	26	2	9	16	23	30	7	14	21	28	4	11	18	25
Fri	6	13	20	27	6	13	20	27	3	10	17	24	1	8	15	22	29	5	12	19	26

Summer period

Calendar Week	27	28	29	30	31	32	33	34	35
Summer period	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9

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Public final presentations take place in the period immediately after the prior A4: Green light period

Week colours legend

Education

No education

A1 Kick-off assessments

Both A1 Kick off assessment + A4 Final assessment

A3 Green light assessment

A4 Final assessment

Academic Calendar 2025 / 2026

Graduation

Autumn semester

Calendar Week	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5
Teaching week	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.10	2.1	2.2	2.3	2.4	2.5	2.6	Christmas period		2.7	2.8	2.9	2.10

	Sept.					Oct.				Nov.				Dec.					Jan.			
Mon	1	8	15	22	29	6	13	20	27	3	10	17	24	1	8	15	22	29	5	12	19	26
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Fri	5	12	19	26	3	10	17	24	31	7	14	21	28	5	12	19	26	2	9	16	23	30

A0

A1

Spring semester

Calendar Week	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Teaching week	Spring break	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	3.10	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	4.10

	Feb.				Mar.					Apr.				May				June				
Mon	2	9	16	23	2	9	16	23	30	6	13	20	27	4	11	18	25	1	8	15	22	
Tues	3	10	17	24	3	10	17	24	31	7	14	21	28	5	12	19	26	2	9	16	23	
Wed	4	11	18	25	4	11	18	25	1	8	15	22	29	6	13	20	27	3	10	17	24	
Thurs	5	12	19	26	5	12	19	26	2	9	16	23	30	7	14	21	28	4	11	18	25	
Fri	6	13	20	27	6	13	20	27	3	10	17	24	1	8	15	22	29	5	12	19	26	

A3

A4

Summer period

Calendar Week	27	28	29	30	31	32	33	34	35
Summer period	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9

	July					Aug.			
Mon	29	6	13	20	27	3	10	17	24
Tues	30	7	14	21	29	4	11	18	25
Wed	1	8	15	22	29	5	12	19	26
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Fri	3	10	17	24	31	7	14	21	28

Day colours legend

Final registration date for A1 Assessment at end Q2

Final registration date for A3 and A4 assessments in Q4 and also for A1 (retake) in Q3.

Final registration date for A1 assessments in Q4.

Public final presentations take place in the period immediately after the prior A4: Green light period

Week colours legend

Education

No education

A1 Kick-off assessments

Both A1 Kick off assessment + A4 Final assessment

A3 Green light assessment

A4 Final assessment

Public Holidays	
Christmas period	Dec 22 - Jan 2
Spring Break	Feb 2 - Feb 6
Good Friday	April 3
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Academic Calendar 2025 / 2026

Graduation

Autumn semester

Calendar Week	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5
Teaching week	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.10	2.1	2.2	2.3	2.4	2.5	2.6	Christmas period		2.7	2.8	2.9	2.10

	Sept.					Oct.				Nov.				Dec.					Jan.			
Mon	1	8	15	22	29	6	13	20	27	3	10	17	24	1	8	15	22	29	5	12	19	26
Tues	2	9	16	23	30	7	14	21	28	4	11	18	25	2	9	16	23	30	6	13	27	27
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Fri	5	12	19	26	3	10	17	24	31	7	14	21	28	5	12	19	26	2	9	16	23	30

A0

A1

Spring semester

Calendar Week	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Teaching week	Spring break	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	3.10	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	4.10

	Feb.				Mar.					Apr.				May				June				
Mon	2	9	16	23	2	9	16	23	30	6	13	20	27	4	11	18	25	1	8	15	22	
Tues	3	10	17	24	3	10	17	24	31	7	14	21	28	5	12	19	26	2	9	16	23	
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Thurs	5	12	19	26	5	12	19	26	2	9	16	23	30	7	14	21	28	4	11	18	25	
Fri	6	13	20	27	6	13	20	27	3	10	17	24	1	8	15	22	29	5	12	19	26	

A1

A3

A4

Summer period

Calendar Week	27	28	29	30	31	32	33	34	35
Summer period	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9

	July					Aug.			
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Final registration date for A1 assessments in Q4.

Public final presentations take place in the period immediately after the prior A4: Green light period

Week colours legend

Education

No education

A1 Kick-off assessments

Both A1 Kick off assessment + A4 Final assessment

A3 Green light assessment

A4 Final assessment

Public Holidays	
Christmas period	Dec 22 - Jan 2
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Academic Calendar 2025 / 2026

Graduation

Autumn semester

Calendar Week	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5
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	Sept.					Oct.				Nov.				Dec.					Jan.			
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A0

A1

Spring semester

Calendar Week	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Teaching week	Spring break	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	3.10	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	4.10

	Feb.				Mar.					Apr.				May				June				
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Thurs	5	12	19	26	5	12	19	26	2	9	16	23	30	7	14	21	28	4	11	18	25	
Fri	6	13	20	27	6	13	20	27	3	10	17	24	1	8	15	22	29	5	12	19	26	

A2 (approx)

A1

A3

A4

Summer period

Calendar Week	27	28	29	30	31	32	33	34	35
Summer period	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9

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Week colours legend

Education
No education
A1 Kick-off assessments
Both A1 Kick off assessment + A4 Final assessment
A3 Green light assessment
A4 Final assessment

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	Sept.					Oct.				Nov.				Dec.					Jan.			
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Spring semester

Calendar Week	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Teaching week	Spring break	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	3.10	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	4.10

	Feb.				Mar.					Apr.				May				June			
Mon	2	9	16	23	2	9	16	23	30	6	13	20	27	4	11	18	25	1	8	15	22
Tues	3	10	17	24	3	10	17	24	31	7	14	21	28	5	12	19	26	2	9	16	23
Wed	4	11	18	25	4	11	18	25	1	8	15	22	29	6	13	20	27	3	10	17	24
Thurs	5	12	19	26	5	12	19	26	2	9	16	23	30	7	14	21	28	4	11	18	25
Fri	6	13	20	27	6	13	20	27	3	10	17	24	1	8	15	22	29	5	12	19	26

Summer period

Calendar Week	27	28	29	30	31	32	33	34	35
Summer period	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9

	July					Aug.			
Mon	29	6	13	20	27	3	10	17	24
Tues	30	7	14	21	29	4	11	18	25
Wed	1	8	15	22	29	5	12	19	26
Thurs	2	9	16	23	30	6	13	20	27
Fri	3	10	17	24	31	7	14	21	28

Public Holidays	
Christmas period	Dec 22 - Jan 2
Spring Break	Feb 2 - Feb 6
Good Friday	April 3
Easter	April 5 & 6
Kings Day	April 27
Liberation Day	May 5
Ascension Day	May 14
Whit Monday	May 25

Day colours legend

Final registration date for A1 Assessment at end Q2
Final registration date for A3 and A4 assessments in Q4 and also for A1 (retake) in Q3.
Final registration date for A1 assessments in Q4.
Public final presentations take place in the period immediately after the prior A4: Green light period

Week colours legend

Education
No education
A1 Kick-off assessments
Both A1 Kick off assessment + A4 Final assessment
A3 Green light assessment
A4 Final assessment

Academic Calendar 2025 / 2026

Graduation

Autumn semester

Calendar Week	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5
Teaching week	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.10	2.1	2.2	2.3	2.4	2.5	2.6	Christmas period		2.7	2.8	2.9	2.10

	Sept.					Oct.				Nov.				Dec.					Jan.			
Mon	1	8	15	22	29	6	13	20	27	3	10	17	24	1	8	15	22	29	5	12	19	26
Tues	2	9	16	23	30	7	14	21	28	4	11	18	25	2	9	16	23	30	6	13	20	27
Wed	3	10	17	24	1	8	15	22	29	5	12	19	26	3	10	17	24	31	7	14	21	28
Thurs	4	11	18	25	2	9	16	23	30	6	13	20	27	4	11	18	25	1	8	15	22	29
Fri	5	12	19	26	3	10	17	24	31	7	14	21	28	5	12	19	26	2	9	16	23	30

Spring semester

Calendar Week	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Teaching week	Spring break	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	3.10	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	4.10

	Feb.				Mar.					Apr.				May				June			
Mon	2	9	16	23	2	9	16	23	30	6	13	20	27	4	11	18	25	1	8	15	22
Tues	3	10	17	24	3	10	17	24	31	7	14	21	28	5	12	19	26	2	9	16	23
Wed	4	11	18	25	4	11	18	25	1	8	15	22	29	6	13	20	27	3	10	17	24
Thurs	5	12	19	26	5	12	19	26	2	9	16	23	30	7	14	21	28	4	11	18	25
Fri	6	13	20	27	6	13	20	27	3	10	17	24	1	8	15	22	29	5	12	19	26

A1

Summer period

Calendar Week	27	28	29	30	31	32	33	34	35
Summer period	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9

	July					Aug.			
Mon	29	6	13	20	27	3	10	17	24
Tues	30	7	14	21	29	4	11	18	25
Wed	1	8	15	22	29	5	12	19	26
Thurs	2	9	16	23	30	6	13	20	27
Fri	3	10	17	24	31	7	14	21	28

Public Holidays	
Christmas period	Dec 22 - Jan 2
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Day colours legend

Final registration date for A1 Assessment at end Q2
Final registration date for A3 and A4 assessments in Q4 and also for A1 (retake) in Q3.
Final registration date for A1 assessments in Q4.
Public final presentations take place in the period immediately after the prior A4: Green light period

Week colours legend

Education
No education
A1 Kick-off assessments
Both A1 Kick off assessment + A4 Final assessment
A3 Green light assessment
A4 Final assessment

A1: final graduation plan + 15min presentation

- 10-15 pages
- we offer as a template a good one from a previous year
- Structure:
  - an **introduction** in which the relevance of the project and its place in the context of geomatics is described, along with a clearly-defined problem statement;
  - a **related work** section in which the relevant literature is presented and linked to the project;
  - the **research questions** are clearly defined, along with the scope (ie what you will not be doing);
  - overview of the **methodology** to be used;
  - **time planning**—having a Gantt chart is probably a better idea then just a list;
  - since specific **data** and **tools** have to be used, it's good to present these concretely, so that the mentors know that you have a grasp of all aspects of the project;
  - **references**

A0 = 19th September 2025

Before this date:

1. Fill in the thesis topic, supervisors, paragraph, image (step 0)

A0 = 19th September 2025

Before this date:

1. Fill in the thesis topic, supervisors, paragraph, image (step 0)

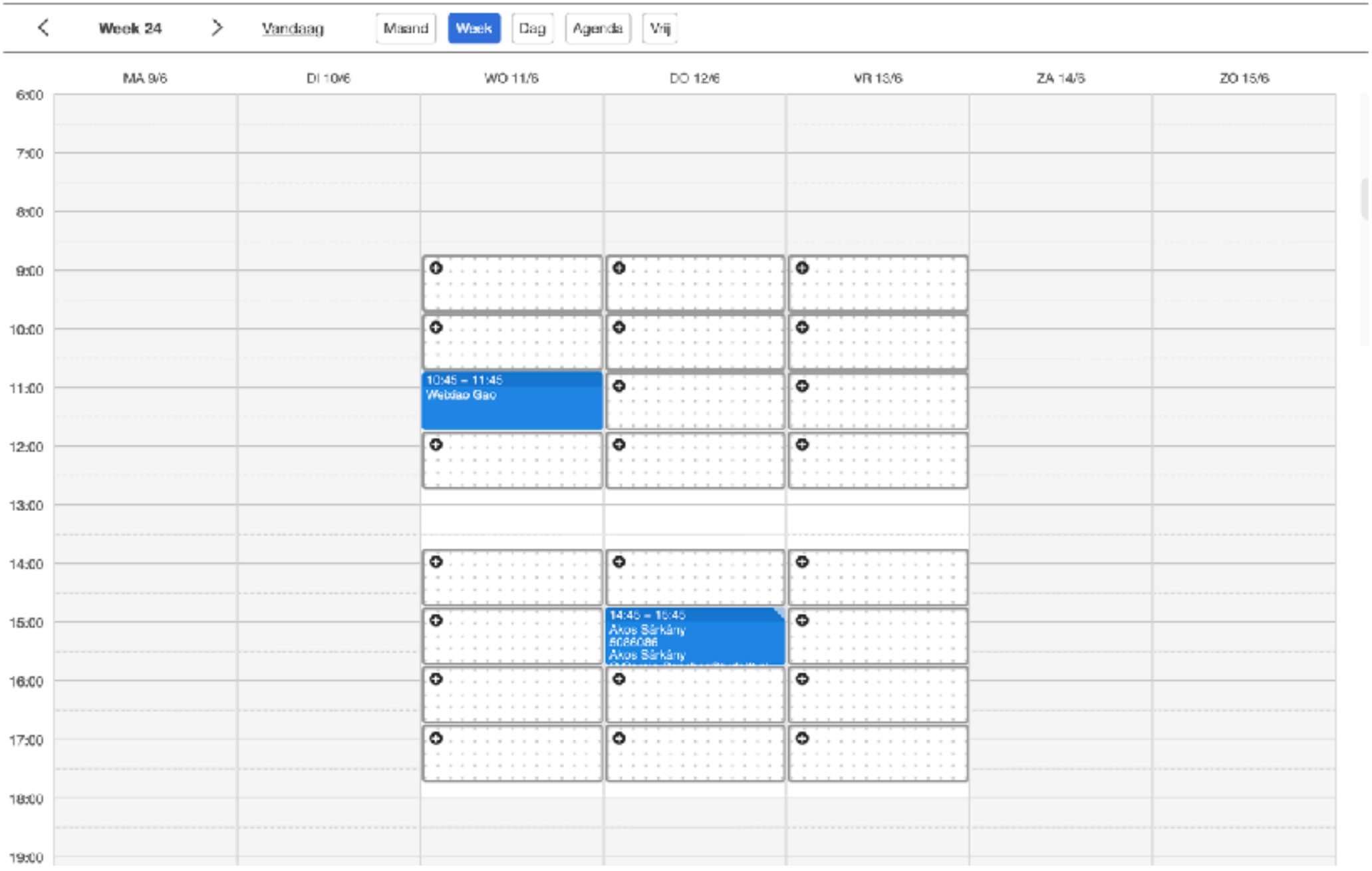
A1 = 17th November 2025

Before this date:

1. Fill in supervisors and preliminary title in myCase (step 1)

Only some dates for A1 available !!!

Coordinator should know in advance.



5. Graduation system

Step 0

A0

Provide information about your title, supervisors, abstract and one picture to the coordinator via typeform:

A0 (Preparation)

1. Find a thesis topic and supervisors, either by picking from a topic from the list or by agreeing on a custom topic. Talk to the responsible Geomatics staff to know more about it and to confirm that you will do it.
2. Fill in the form below.
3. Together with your supervisors, schedule your A1 before the registration deadline. They will enter the date in the system (SuperSaaS).

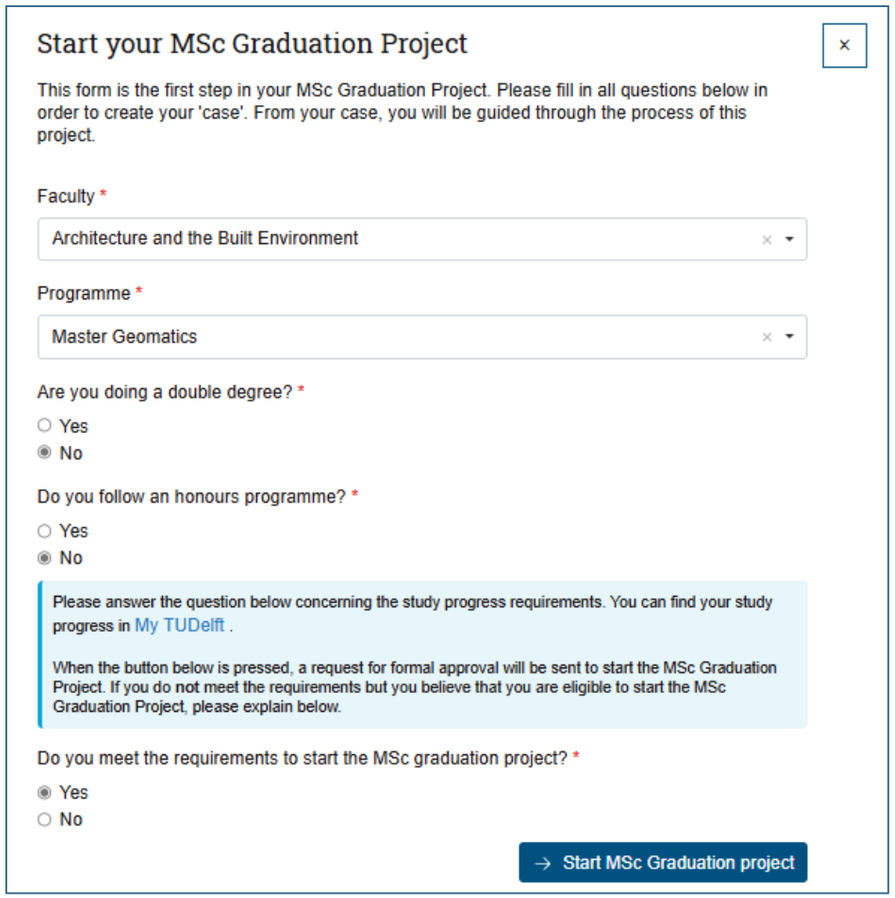
GEO2021 topic pick

deadline is 19 September

Start press Enter ↵

Step 1

Step 1- Start your case



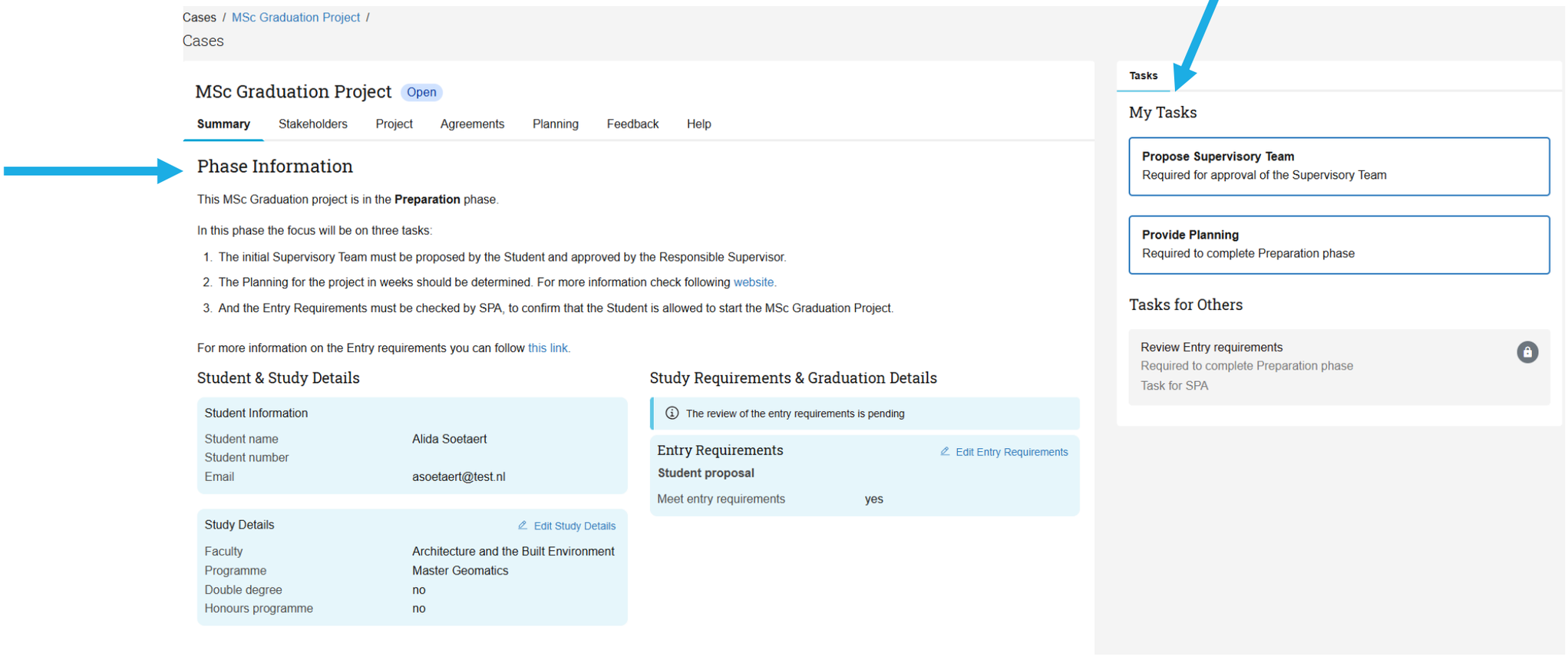
To start the graduation, you should have completed:

- at least nine of the ten 5 EC (45ECTS) core courses
- and two electives of 5 EC.

- In week 1.8 to 2.2 the student needs to register their case!

Step 1

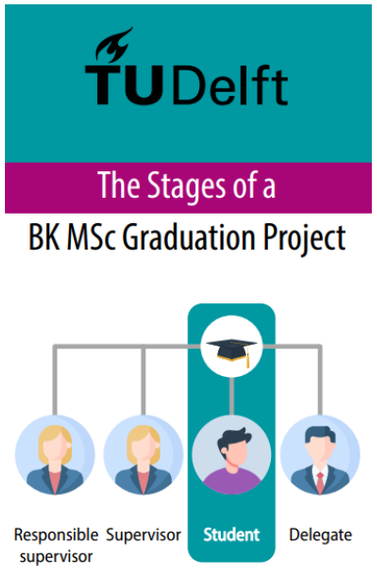
Overview page

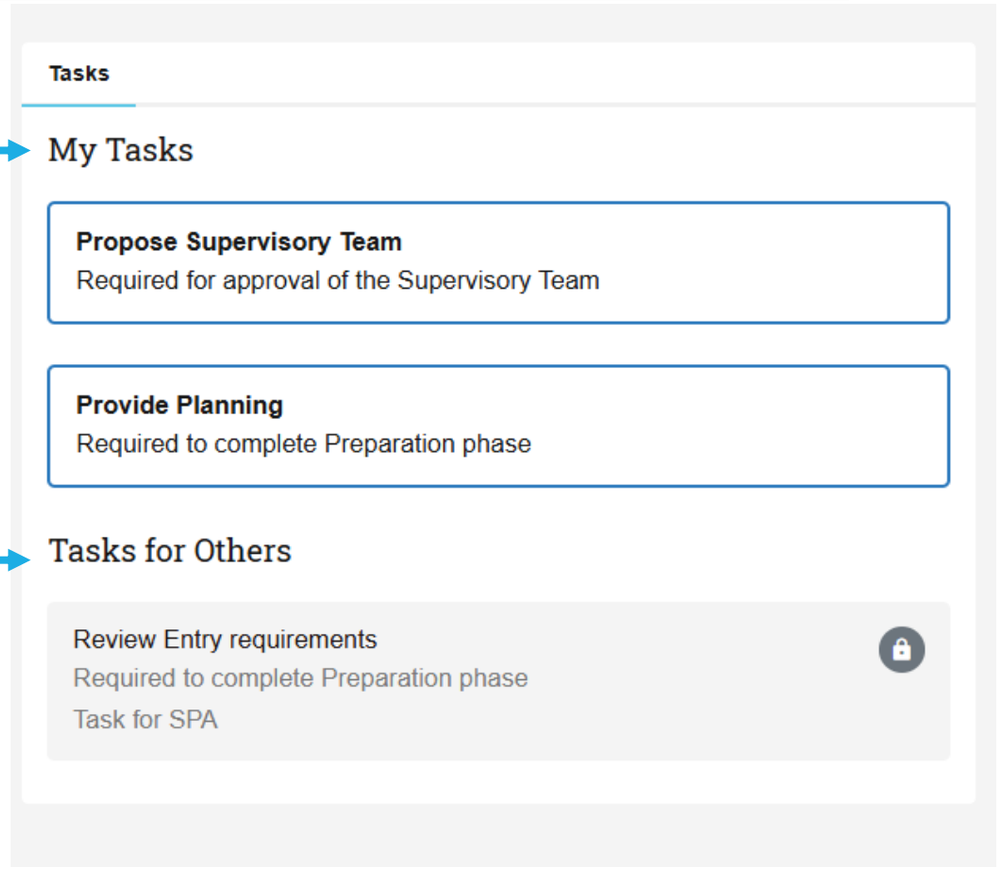


Step 2

Step 2 – Preparation phase

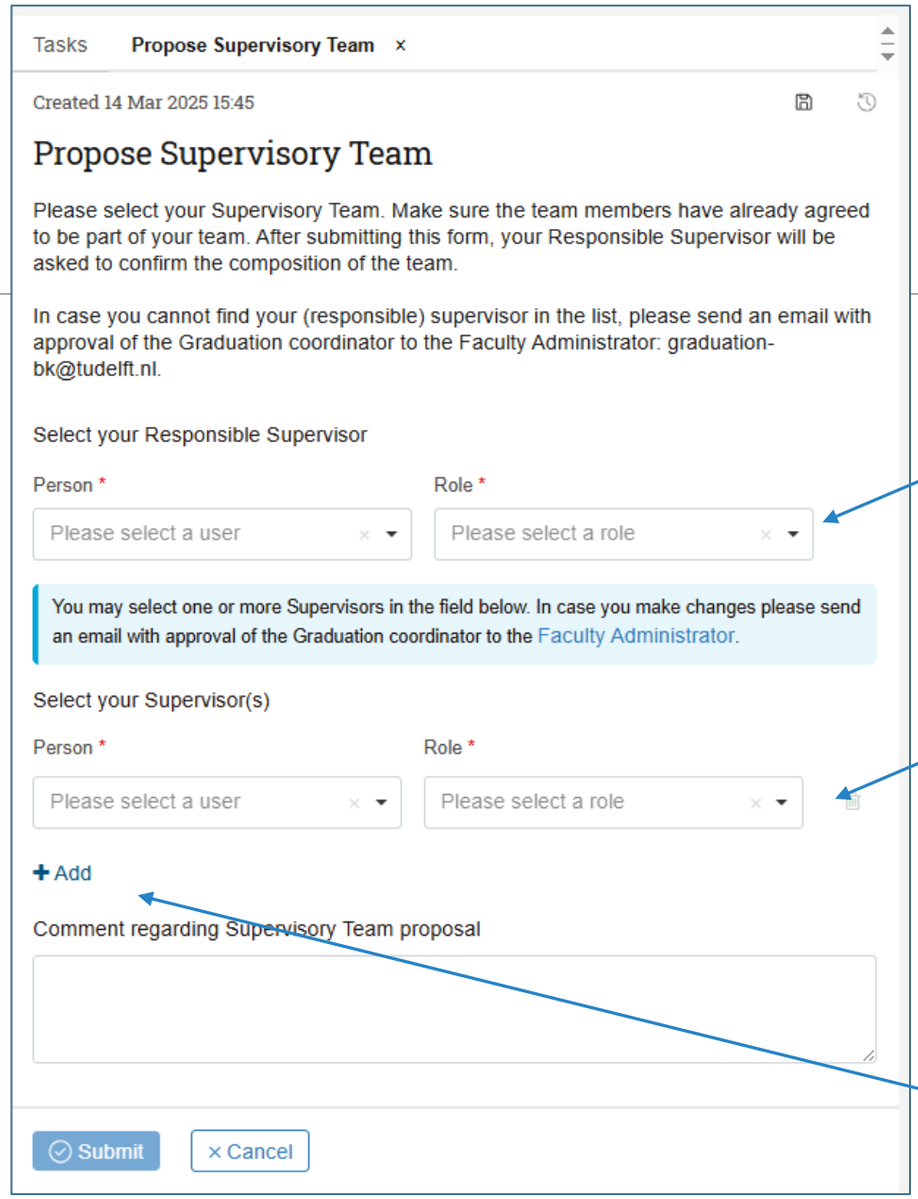
- In the Case you can see your own tasks, as well as the tasks for your supervisors and the management team.





Step 2

Step 2



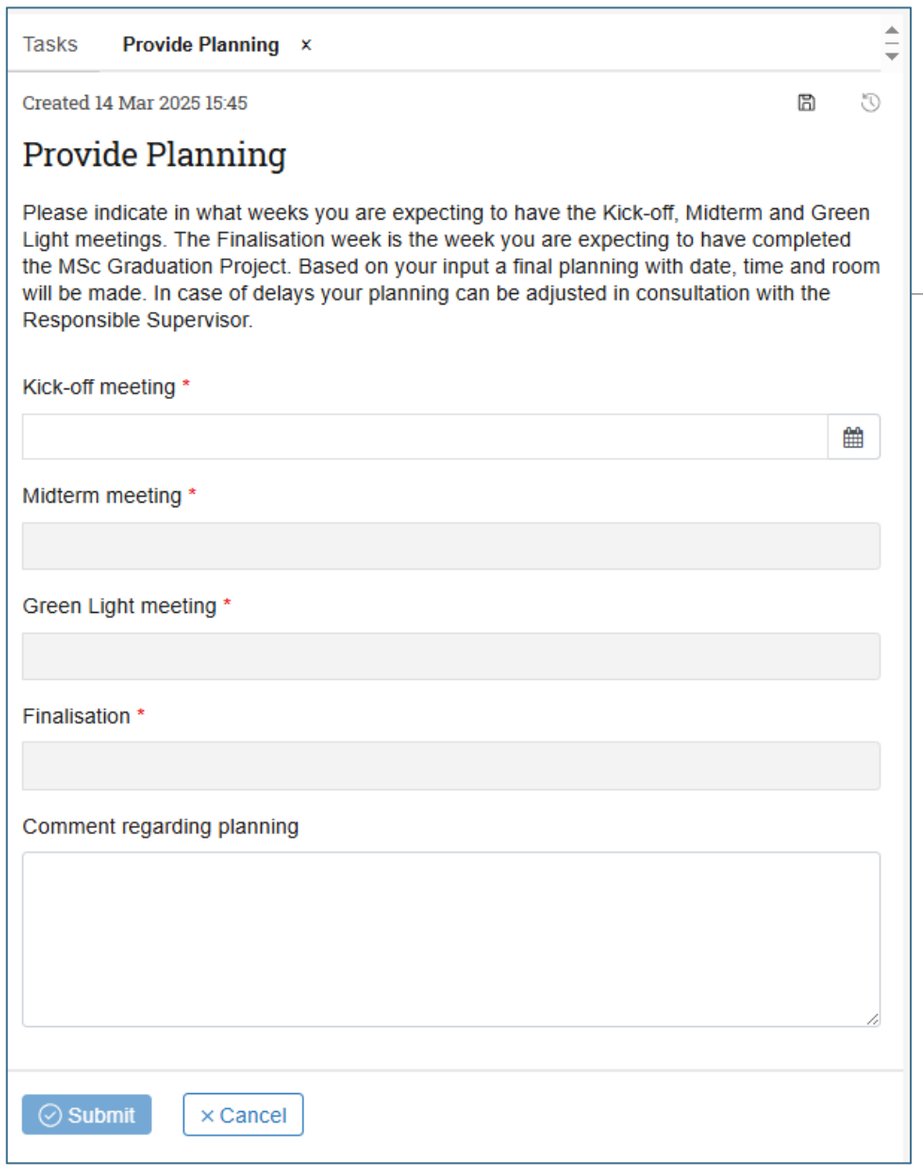
Only geomatics!

*If the name you got is **not in the list,** it probably means it should be supervisor **(not responsible supervisor)***

*If your 2nd supervisor is not on the list, mail: graduation-bk@tudelft.nl to add the person. NB. an **approval of the graduation coordinator is necessary!***

You can also add the co-reader here, but this can also be done later.

Step 2



Step 2

The Planning provides an overview of the timing of the assessments within MSc Graduation Project.

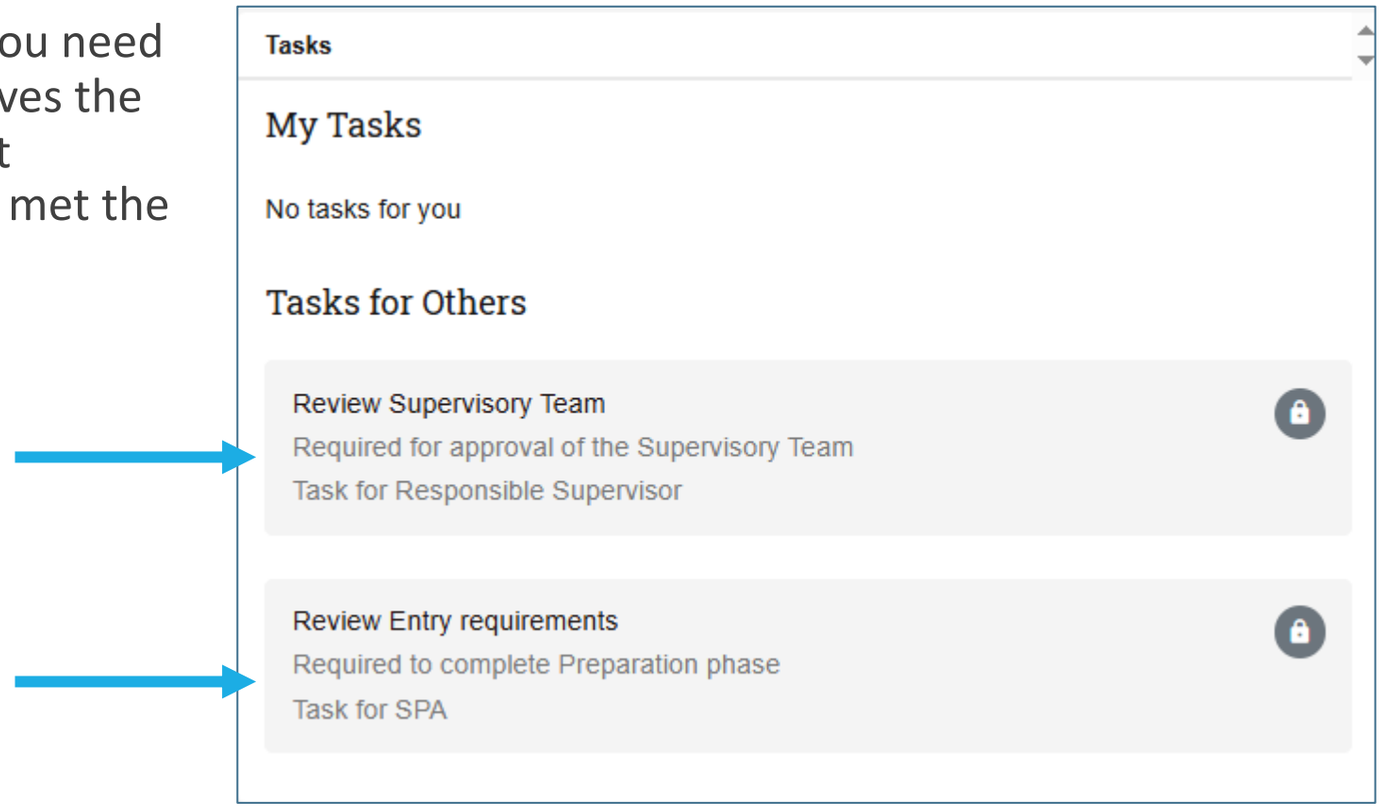
Per phase, **the week(s) for the assessments (A1 to A4) are set** on the graduation calendar!

Later in the process the exact dates & times will be added.

Step 2

Step 2

After you completed your tasks, you need to wait until the supervisor approves the Supervisory team and the Student Administration approves that you met the requirements for graduation.

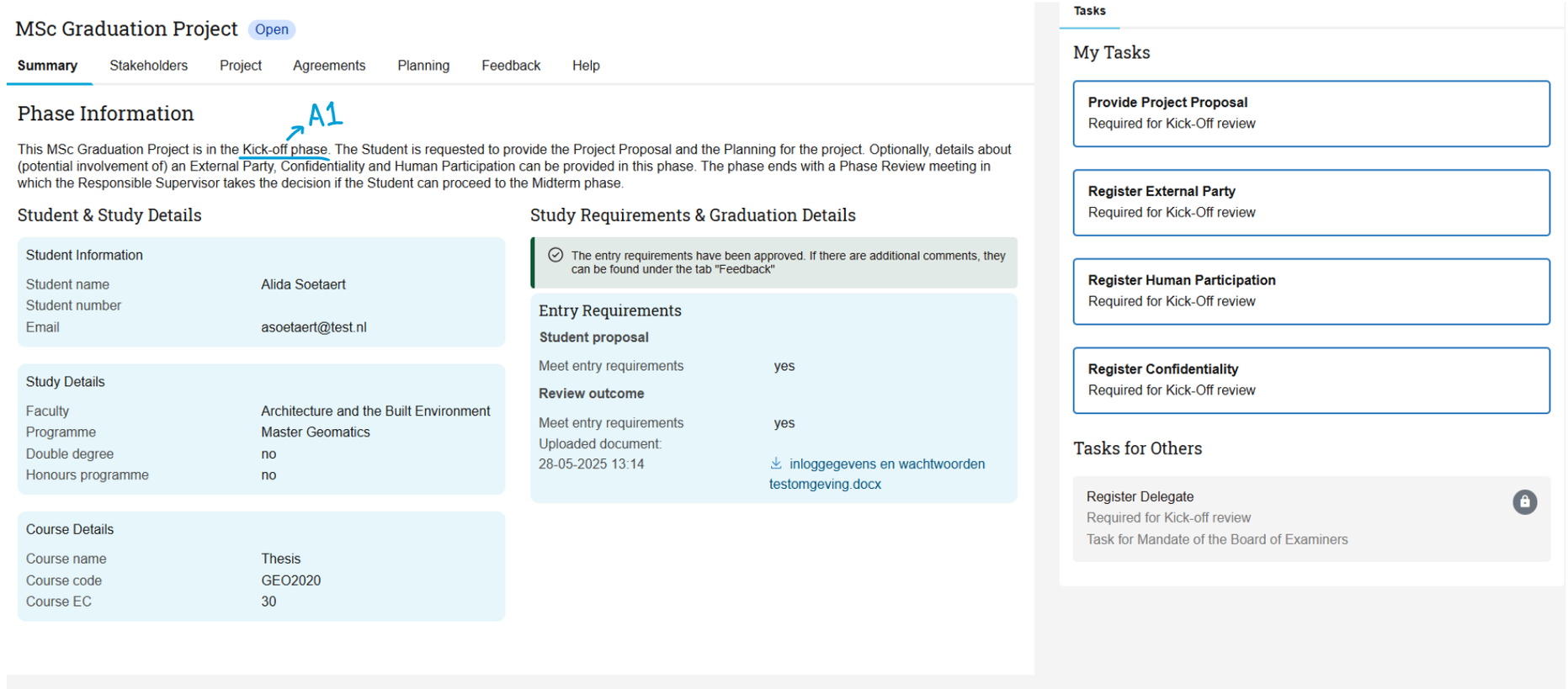


Step 3

A1

Step 3 – Kick Off Phase (A1)

After your supervisor approves the preparation phase, you get access to the kick off phase.



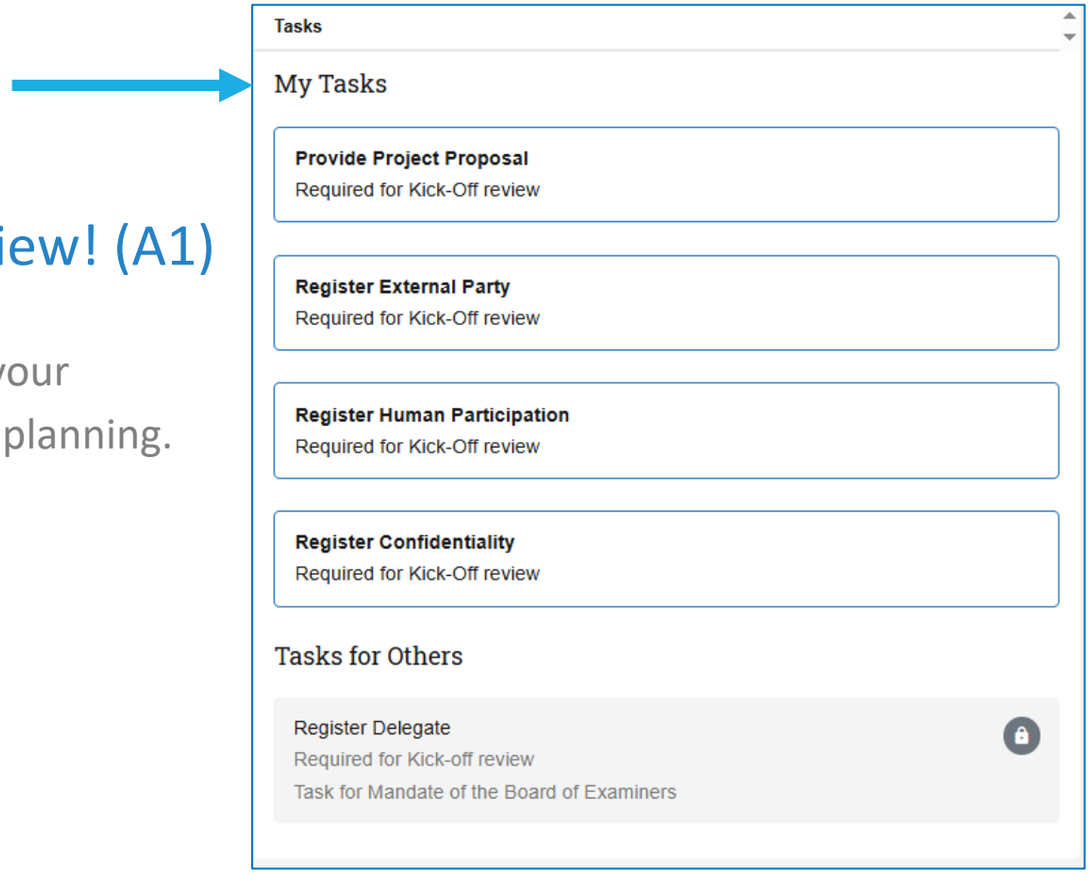
Step 3

Step 3 – Kick Off Phase (A1)

You get new tasks

Complete all tasks **before** the Kick Off review! (A1)

IMPORTANT: If you postpone a review meeting inform your Responsible Supervisor, which is needed to adjust your planning.

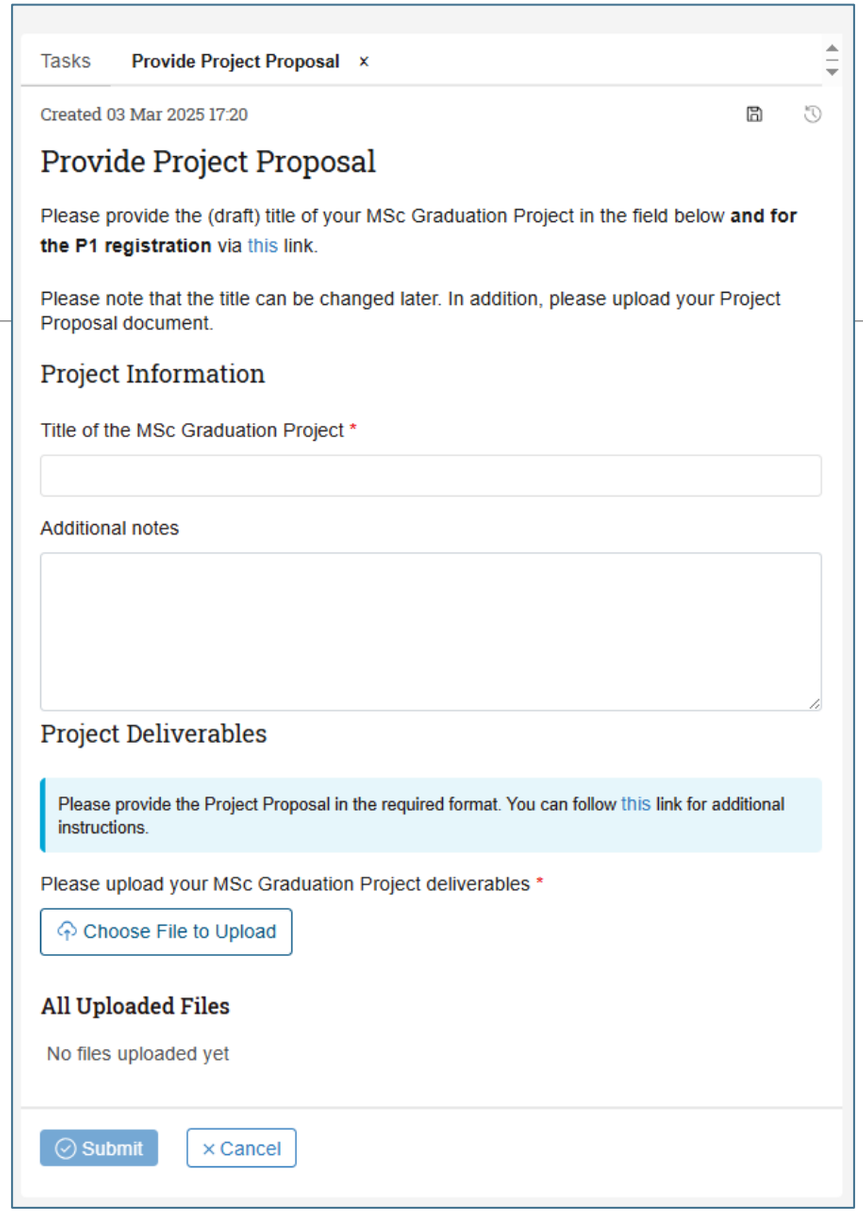


Step 3

Step 3

If you decide to postpone the Kick Off meeting inform your Responsible Supervisor.

You can upload what you have done and leave a note.

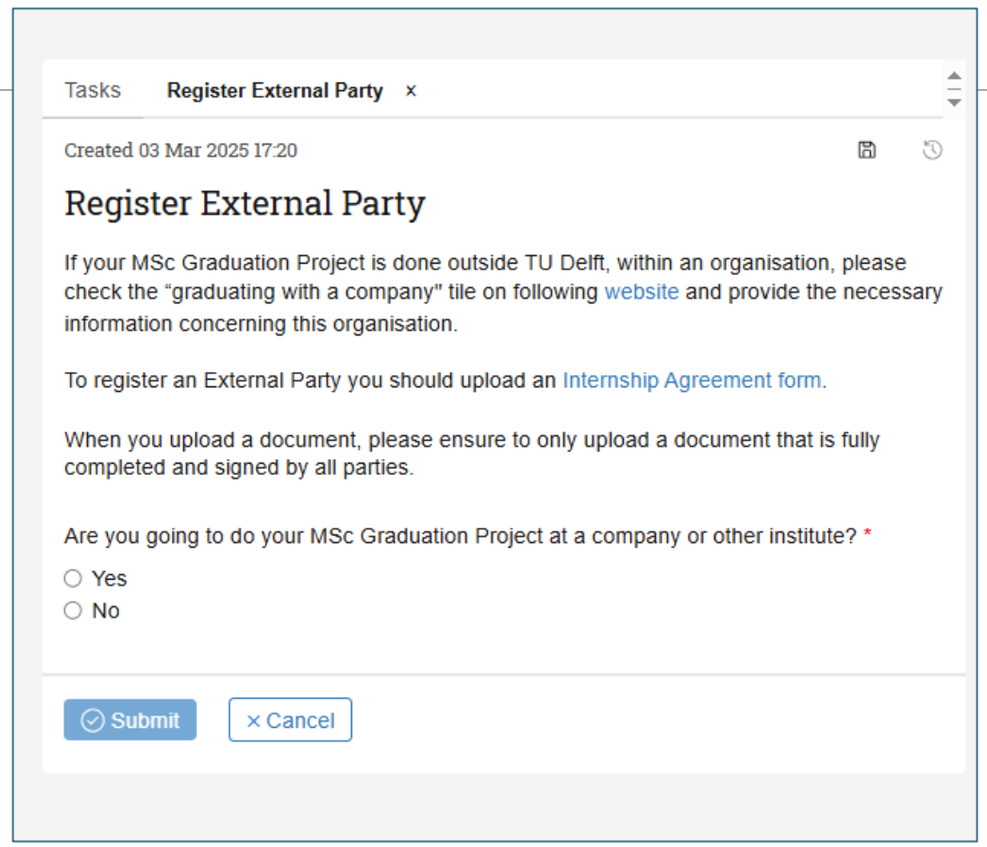


Step 3

Step 3

Complete all tasks **before** the Kick Off review!

There is a “no” option

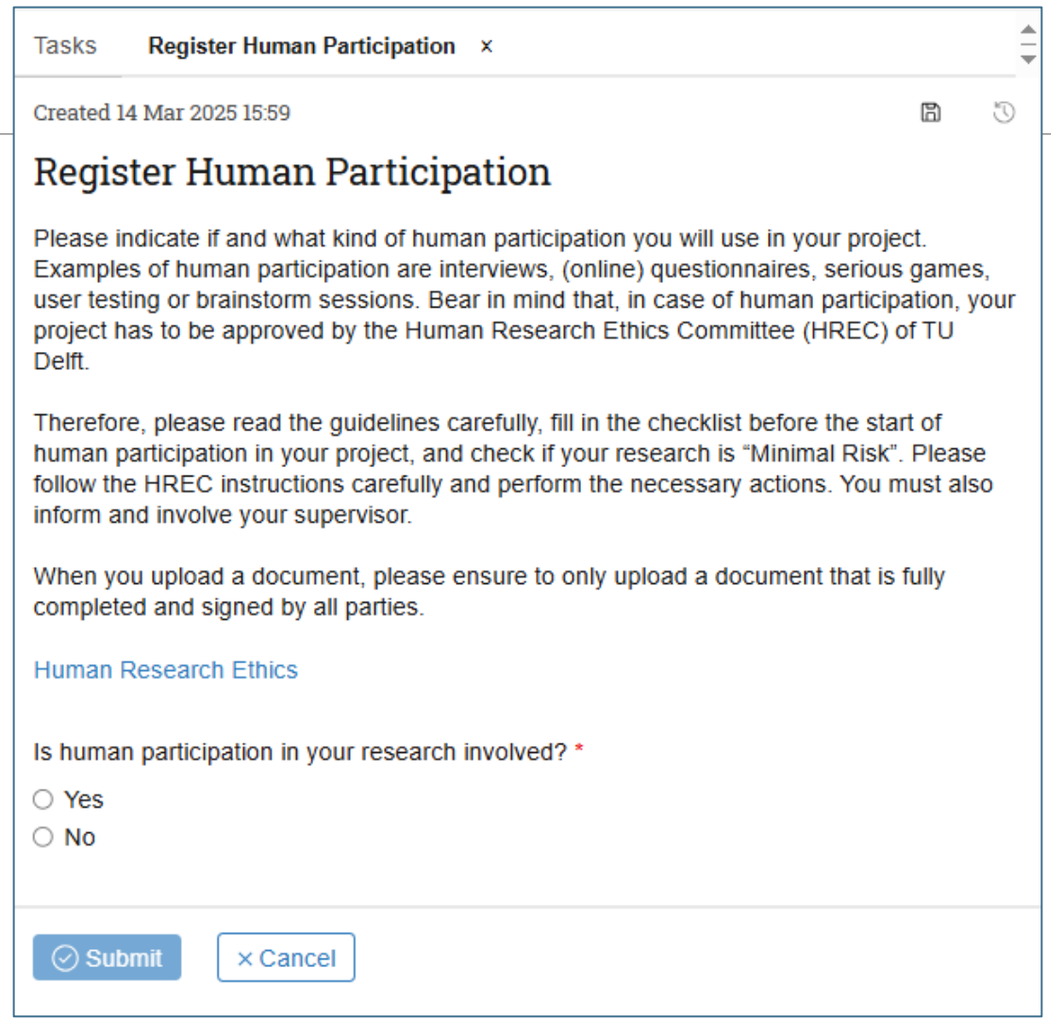


Step 3

Step 3

Complete all tasks **before** the Kick Off review!

There is a “no” option

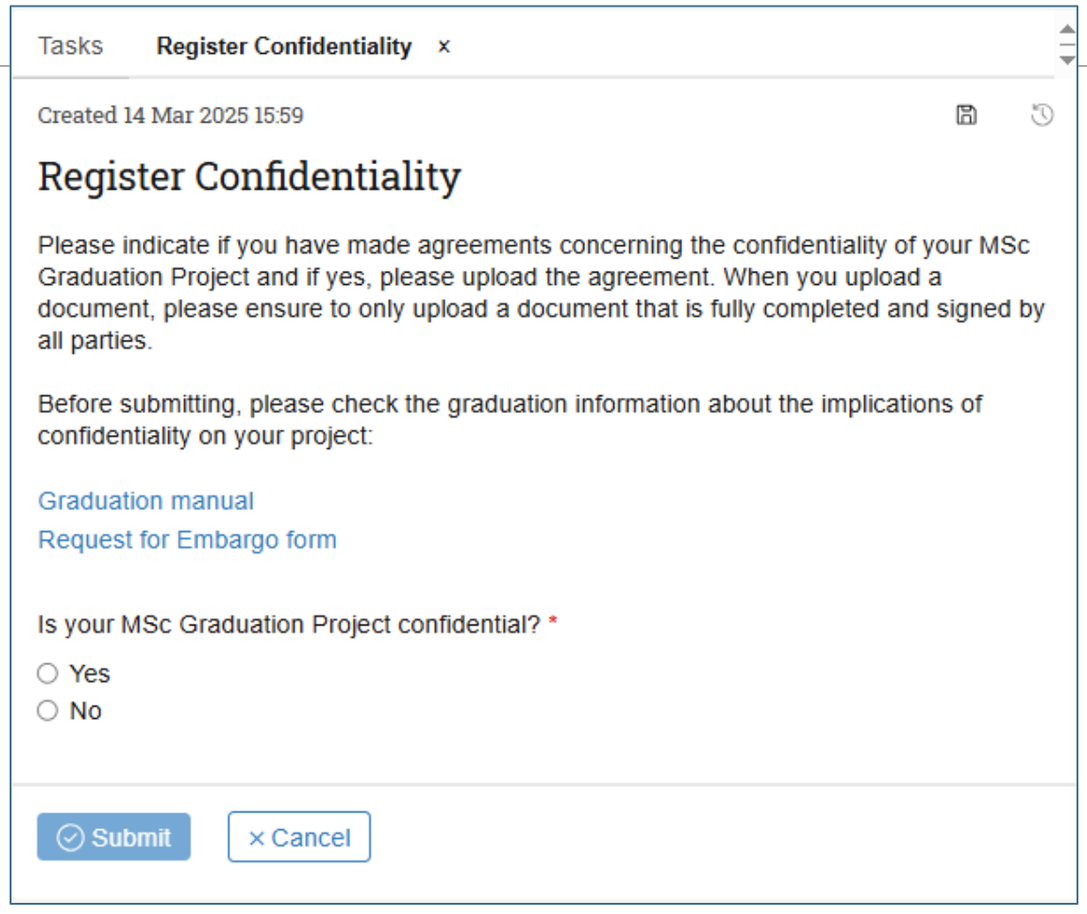


Step 3

Step 3

There is a “no” option

Complete all tasks **before** the Kick Off review!

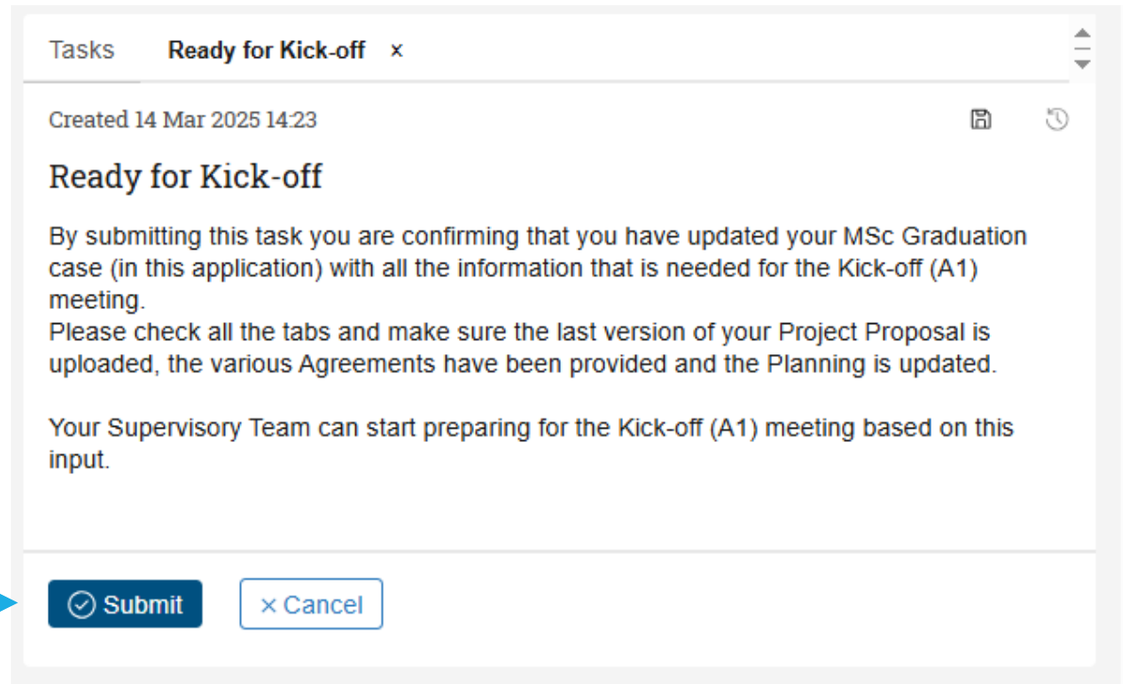


Step 3

Step 3 – End of Kick Off Phase

Upload the files, 1 week before your presentation!

While the Supervisory Team can view your documents as soon as they are uploaded, they can only begin their review after you have officially submitted the Kick-Off Phase.



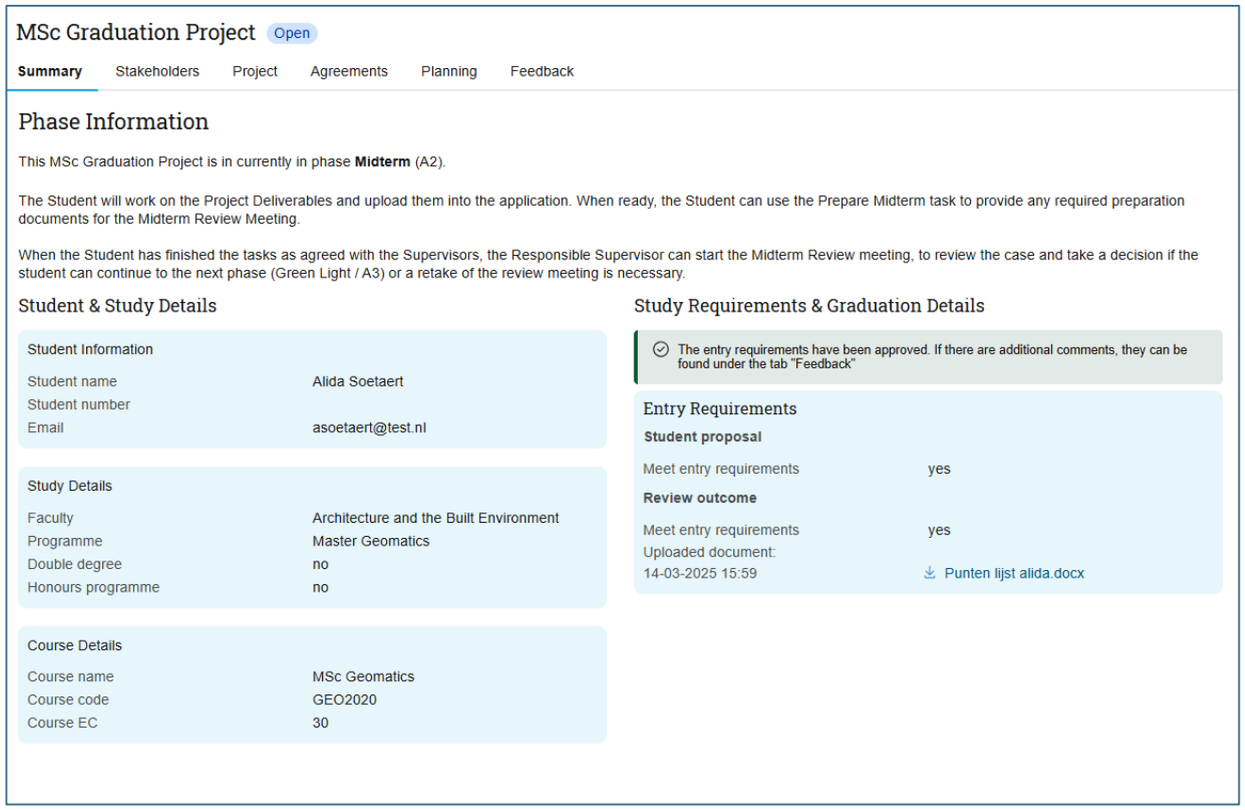
NB. The “Ready for Kick-off” task is needed to do so your supervisors can review the Kick-off.

Step 4

A2

Step 4 – Midterm Phase (A2)

After approval of the Kick Off review (A1), you get access to the Midterm Phase (A2)



Step 4

Step 4 - Feedback

MSc Graduation Project Open

Summary | Stakeholders | Project | Agreements | Planning | **Feedback** | Help

Feedback

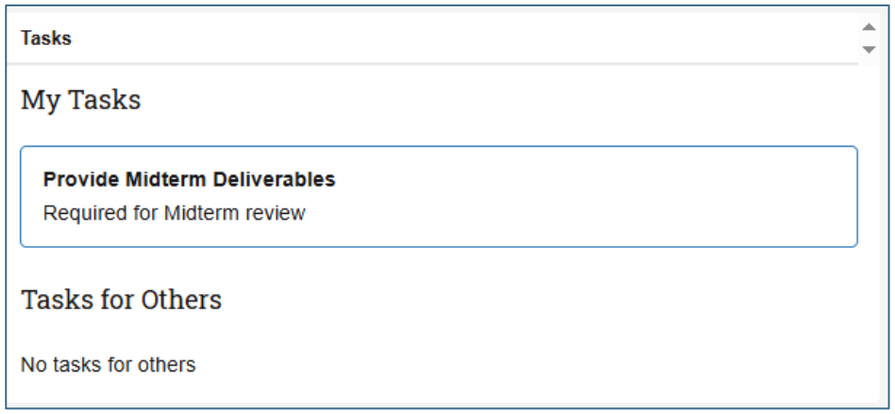
The overview below contains information for every review that has taken place during the MSc Graduation Project. The reviews are sorted in a chronological manner, most recent reviews on top.

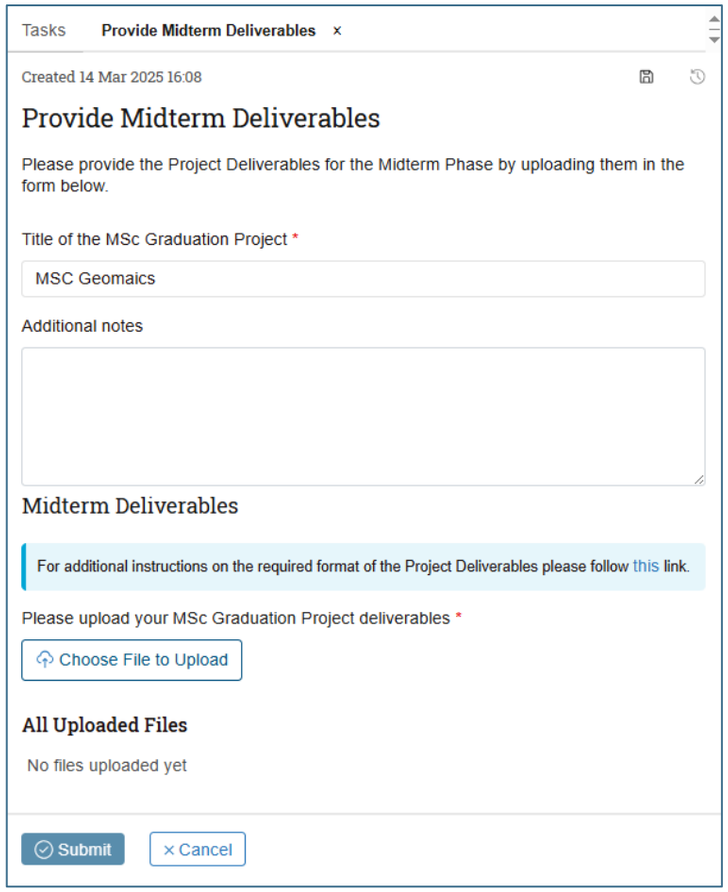
Type	Submitted by	Date	Decision	Documents	Comment
Review Kick-Off Meeting	Arthur Hessing	28 May 2025	Continue		**Review comment:** Looks good! Keep working like this!
Review Entry Requirements	SPA	28 May 2025	Approved		
Review Supervisory Team	Bram Berg	28 May 2025	Approved		

Supervisors can leave **feedback** after each assessment.

Step 4

Step 4 – Provide A2 deliverables

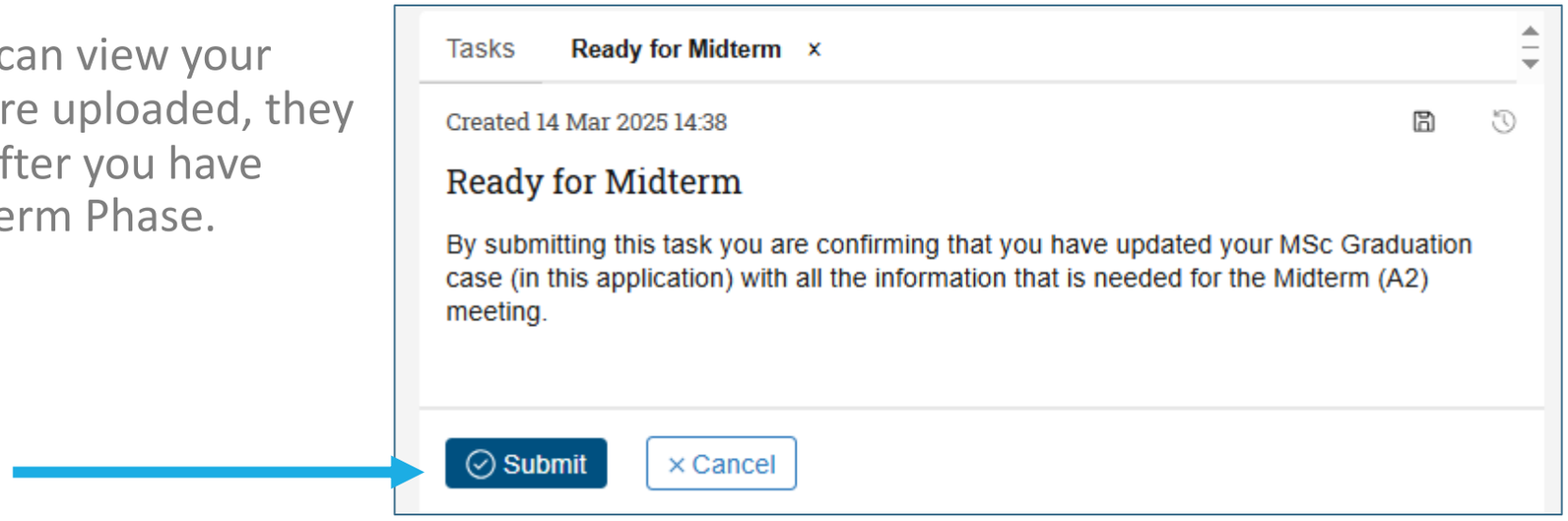




Step 4

Step 4 – End of Midterm phase (A2)

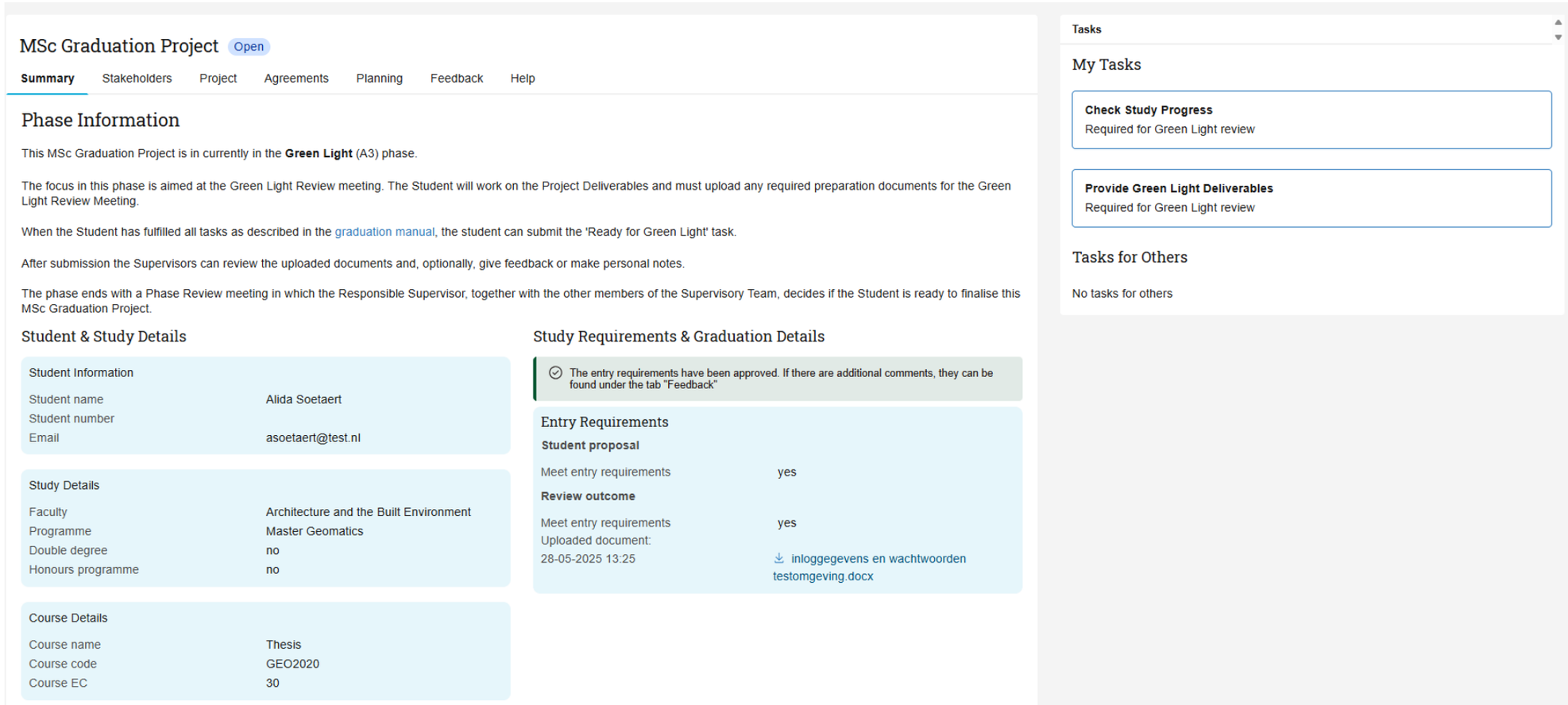
While the Supervisory Team can view your documents as soon as they are uploaded, they can only begin their review after you have officially submitted the Midterm Phase.



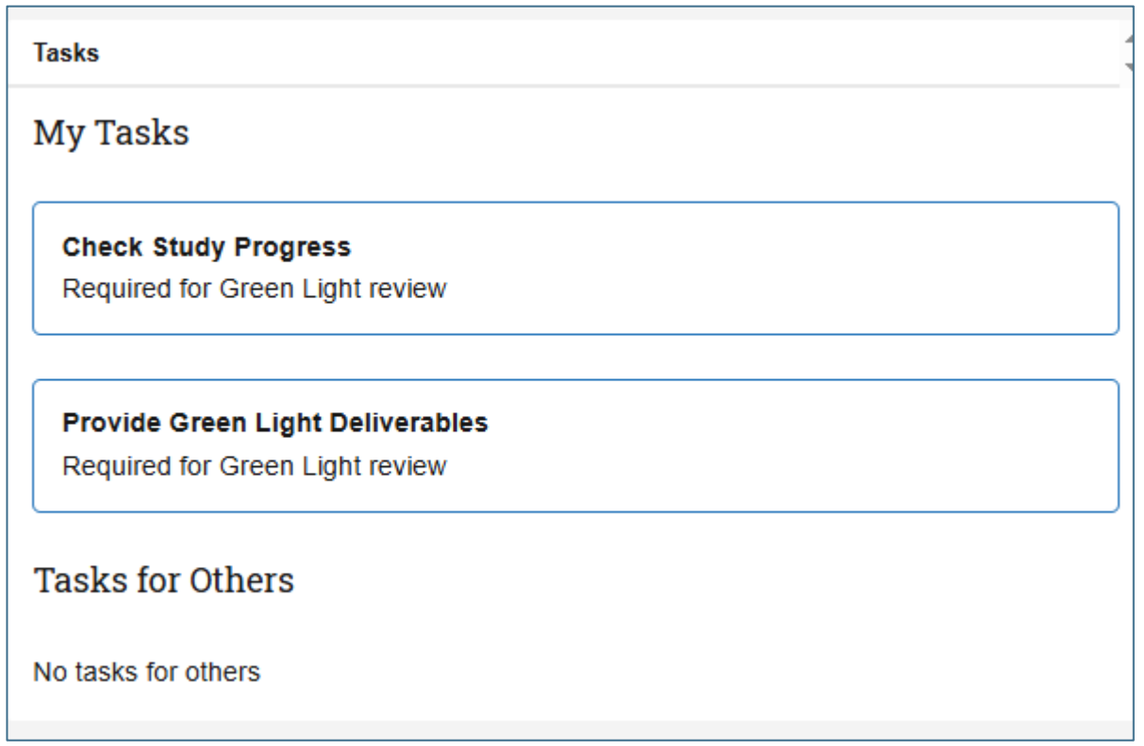
Step 5

A3

Step 5 – Green Light Phase (A3)

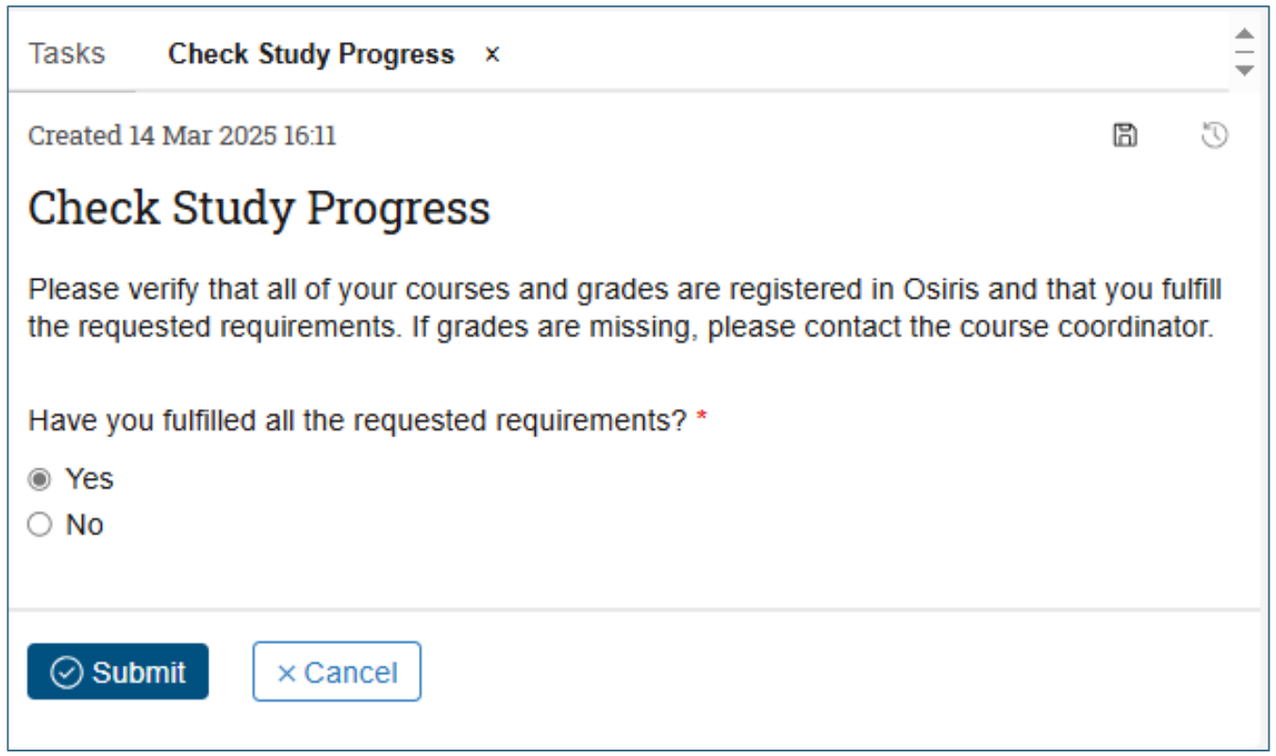


Step 5 – Tasks for A3



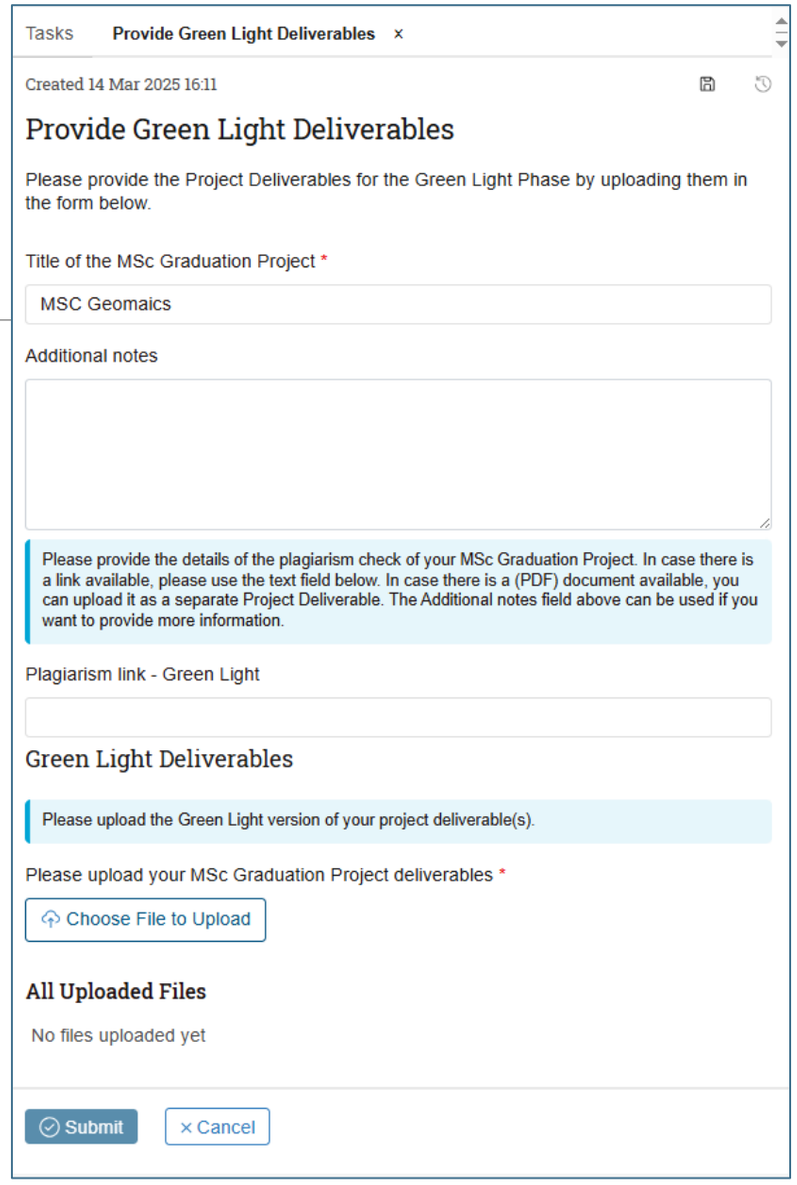
Step 5

Step 5 – Check your SPO



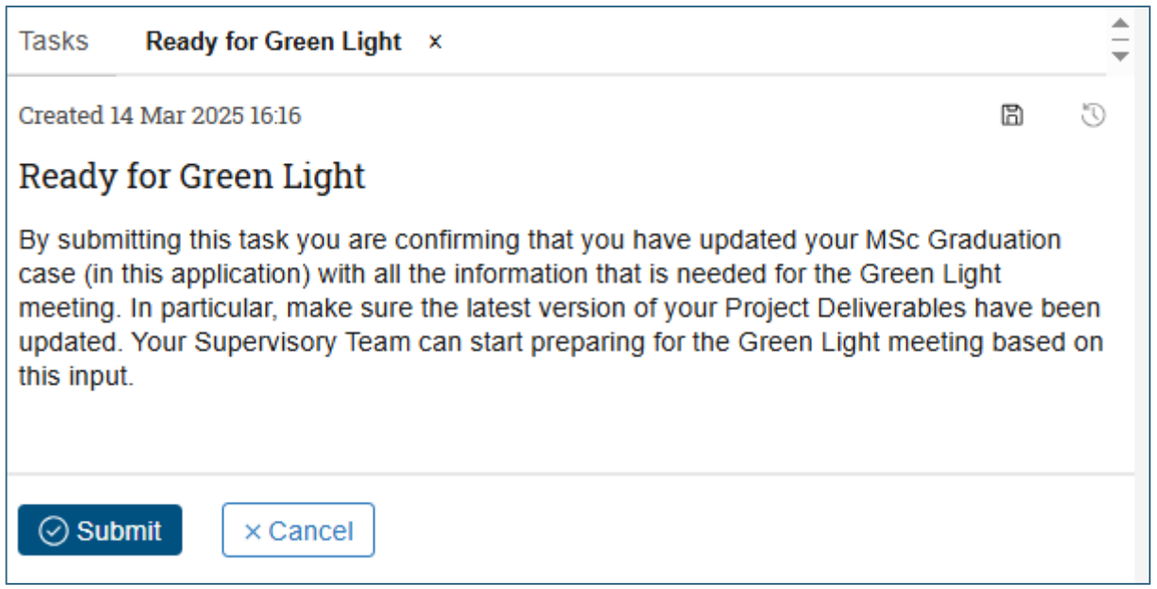
Step 5

Step 5 – Upload your A3



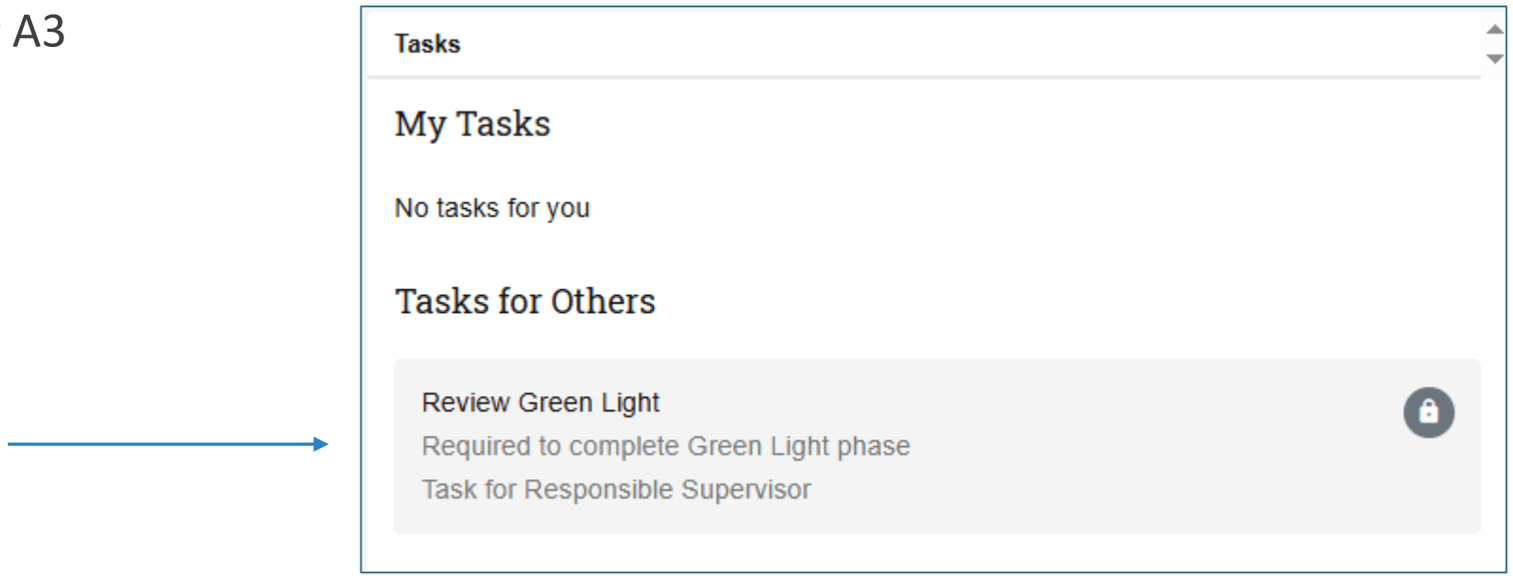
Step 5

Step 5 – Submit Green light (A3)



Step 5

Wait on the review of your A3



Step 6

A4

Step 6 – Finalisation Phase (A4)

MSc Graduation Project Open

Summary | Stakeholders | Project | Agreements | Planning | Feedback | Help

Phase Information

This MSc Graduation Project is in the **Finalisation** (A4) phase.

The focus in this phase is aimed at your final presentation.

Student & Study Details

Student Information

Student name	Alida Soetaert
Student number	
Email	asoetaert@test.nl

Study Details

Faculty	Architecture and the Built Environment
Programme	Master Geomatics
Double degree	no
Honours programme	no

Course Details

Course name	Thesis
Course code	GEO2020
Course EC	30

Study Requirements & Graduation Details

The Green Light requirements have been approved. If there are additional comments, they can be found under the tab "Feedback"

Green Light Requirements

Student proposal

Requested requirements fulfilled	yes

Review outcome

Meet green light requirements	yes
Uploaded document:	
28-05-2025 13:40	Proposal.docx

The entry requirements have been approved. If there are additional comments, they can be found under the tab "Feedback"

Entry Requirements

Student proposal

Meet entry requirements	yes

Tasks

My Tasks

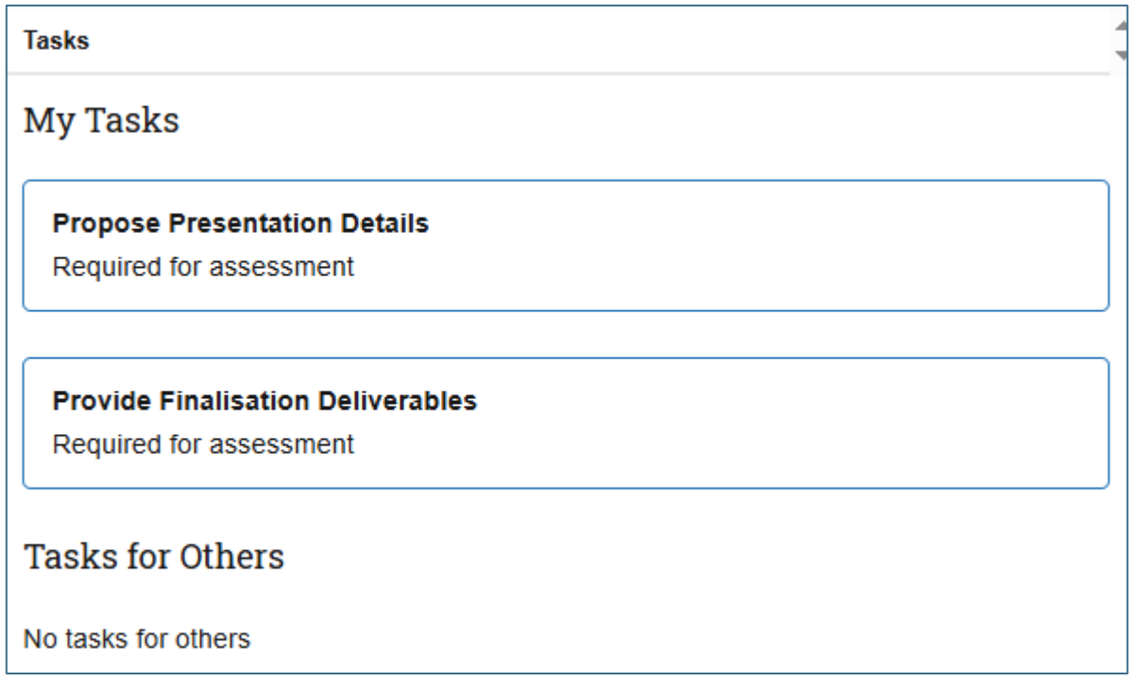
Propose Presentation Details
Required for assessment

Provide Finalisation Deliverables
Required for assessment

Tasks for Others

No tasks for others

Step 6 – Tasks for A4

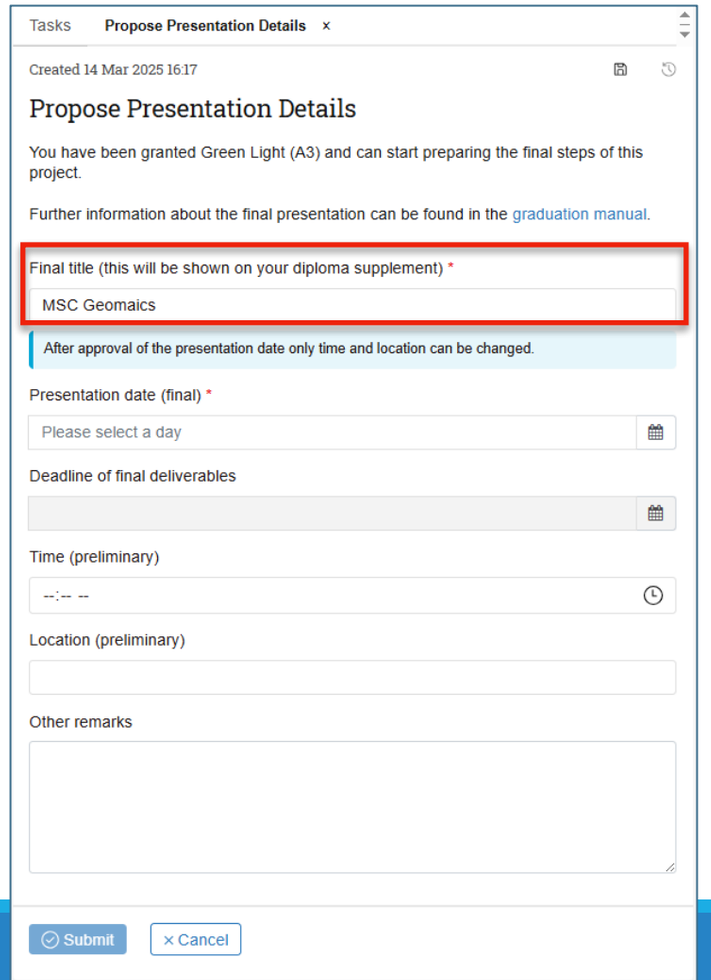


Step 6

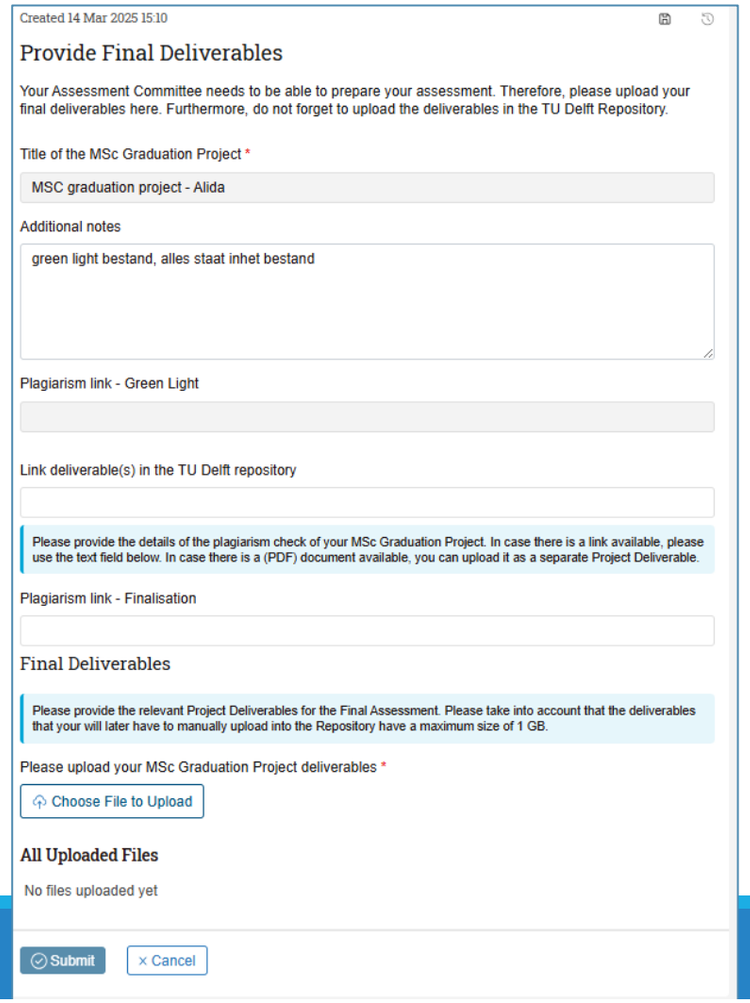
Step 6 – Presentation date & final title

Enter the date you agreed upon with your Supervisory Team via MyCase. So make sure to schedule this meeting in person first

After submitting this task, the title cannot be changed any longer!



Step 6 – Provide your final


Created 14 Mar 2025 15:10

Provide Final Deliverables

Your Assessment Committee needs to be able to prepare your assessment. Therefore, please upload your final deliverables here. Furthermore, do not forget to upload the deliverables in the TU Delft Repository.

Title of the MSc Graduation Project *

MSC graduation project - Alida

Additional notes

green light bestand, alles staat inhet bestand

Plagiarism link - Green Light

Link deliverable(s) in the TU Delft repository

Please provide the details of the plagiarism check of your MSc Graduation Project. In case there is a link available, please use the text field below. In case there is a (PDF) document available, you can upload it as a separate Project Deliverable.

Plagiarism link - Finalisation

Final Deliverables

Please provide the relevant Project Deliverables for the Final Assessment. Please take into account that the deliverables that your will later have to manually upload into the Repository have a maximum size of 1 GB.

Please upload your MSc Graduation Project deliverables *

Choose File to Upload

All Uploaded Files

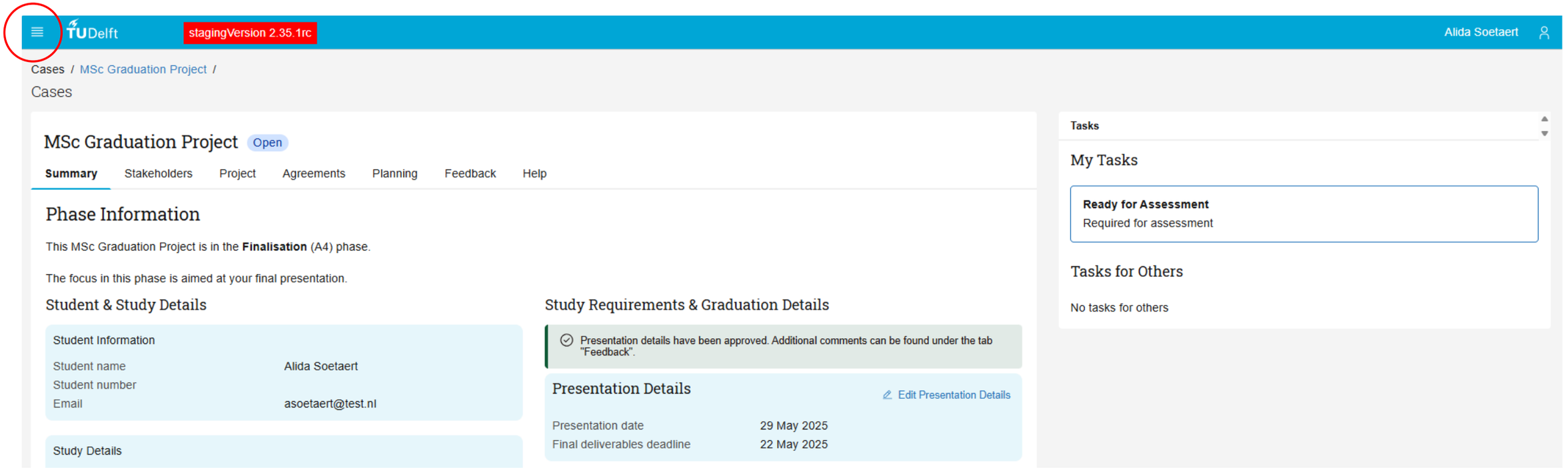
No files uploaded yet

Submit × Cancel

Step 6

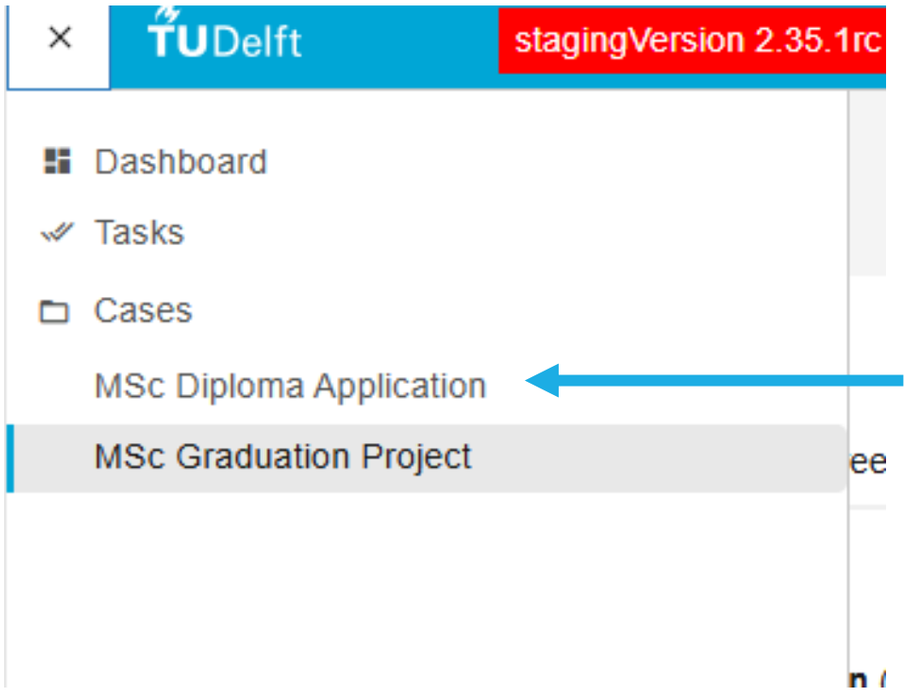
Step 6 – Diploma application

After your supervisor confirmed your date in MyCase, you need to apply for your diploma



Step 6

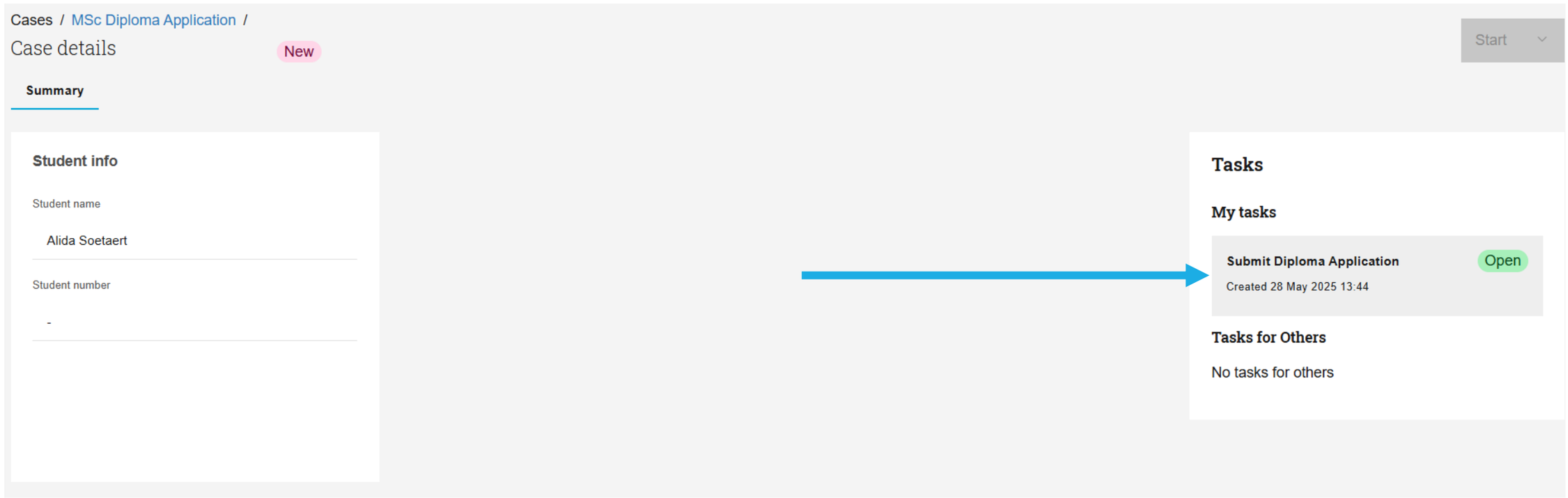
Step 6 – Diploma application



Click on ‘MSc Diploma Application and click on your name!

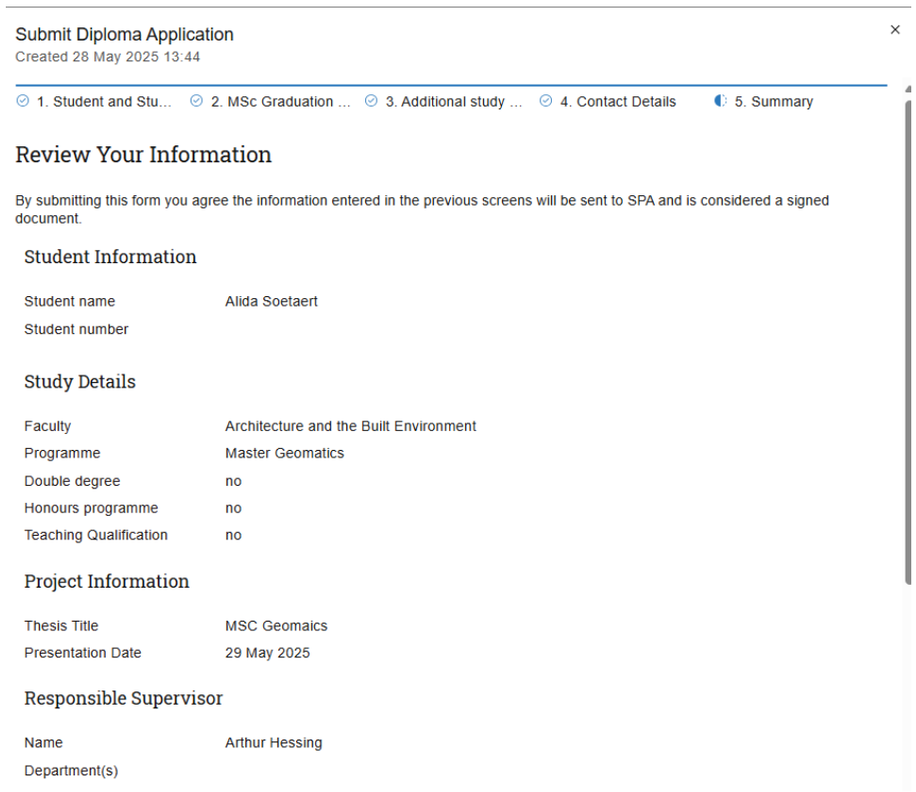
Step 6

Step 6 – Diploma application



Step 6

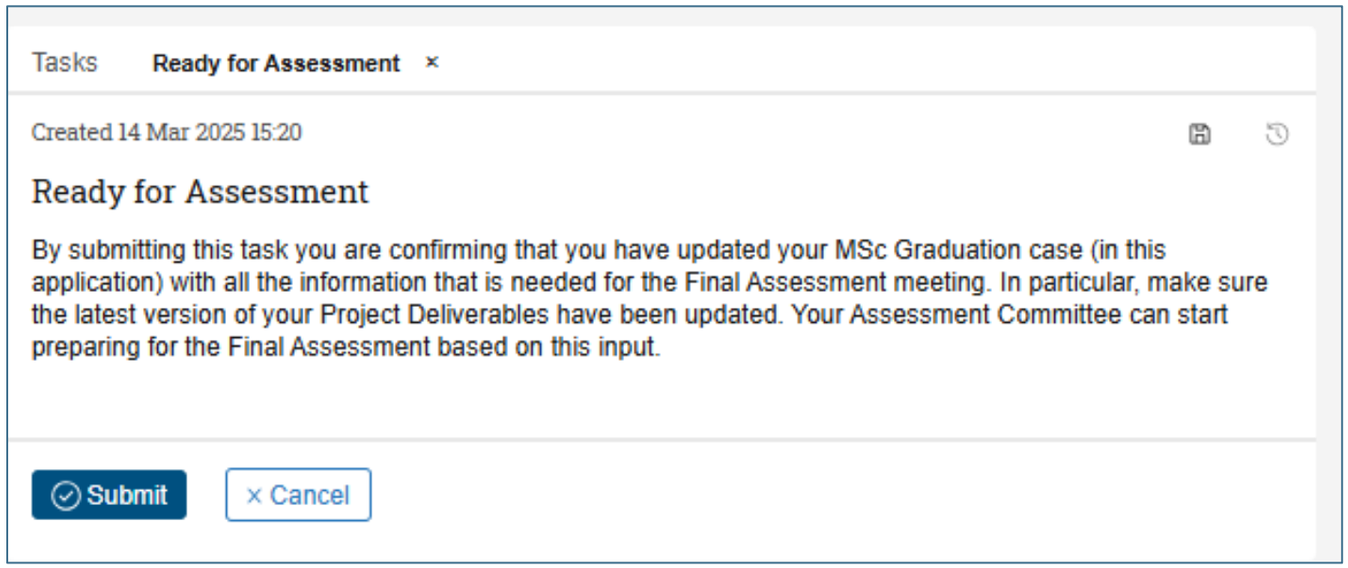
Step 6 – Diploma application



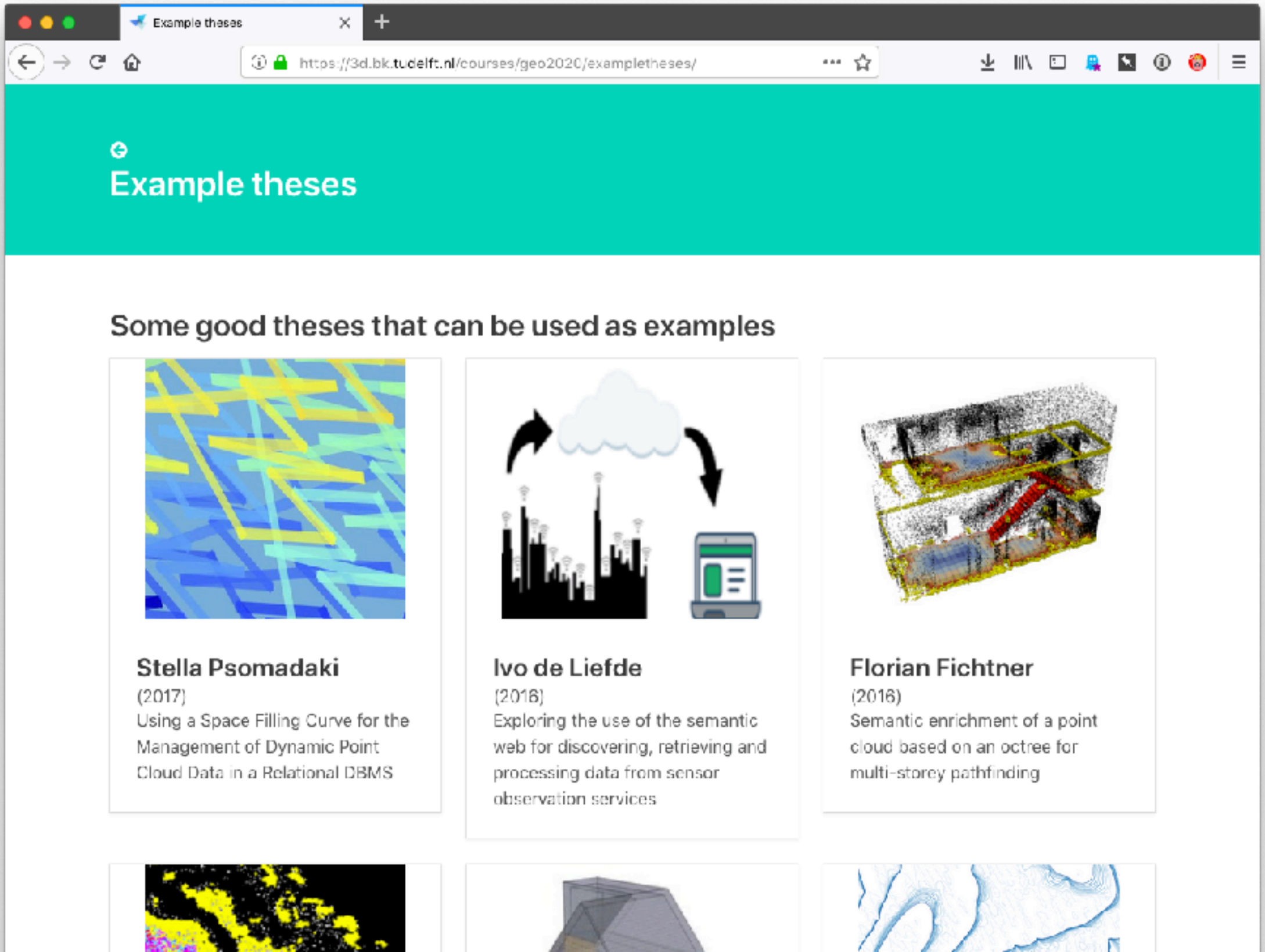
Fill in all your personal information, that is needed for your diploma and submit!

Step 6

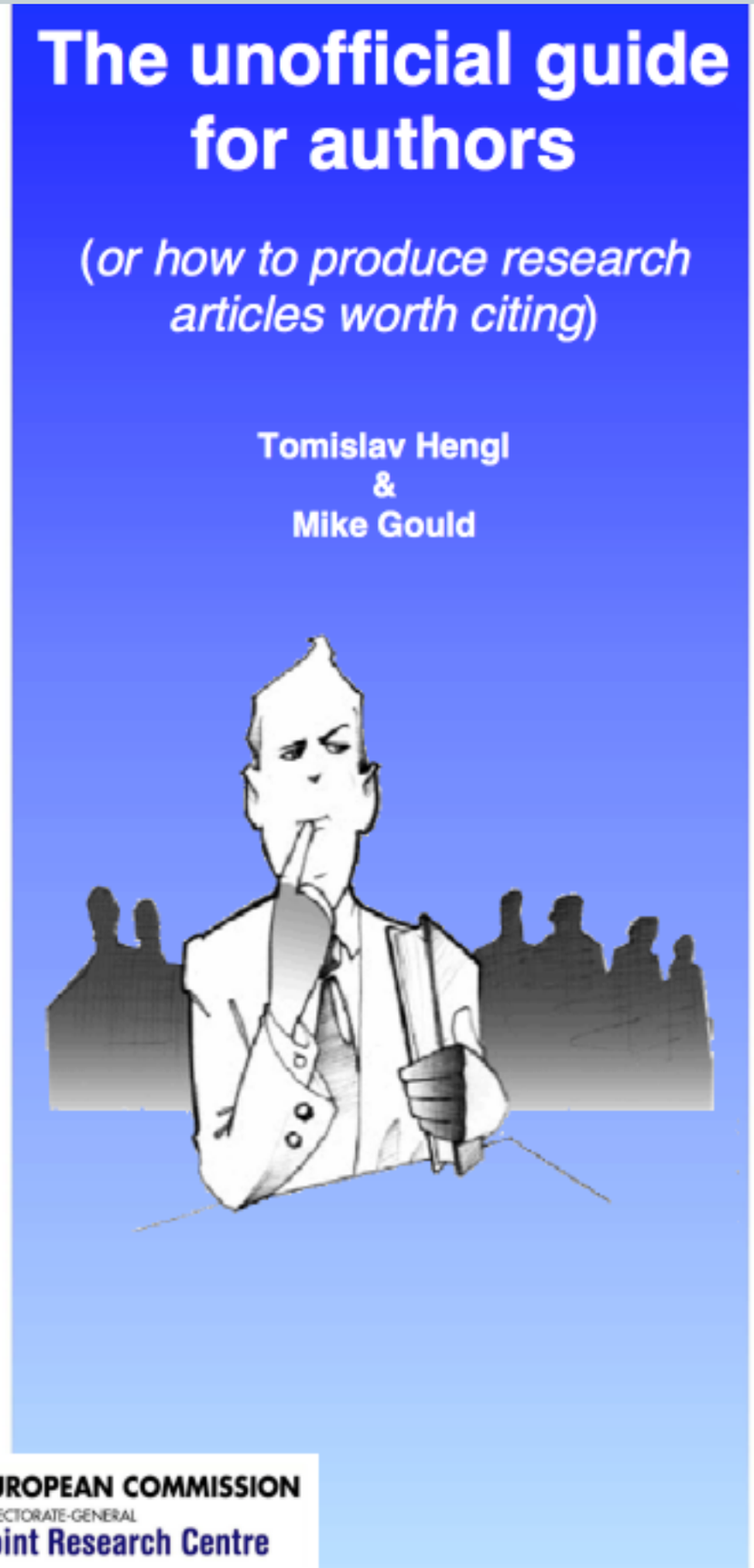
Step 6 – Finalize your A4 before your presentation!



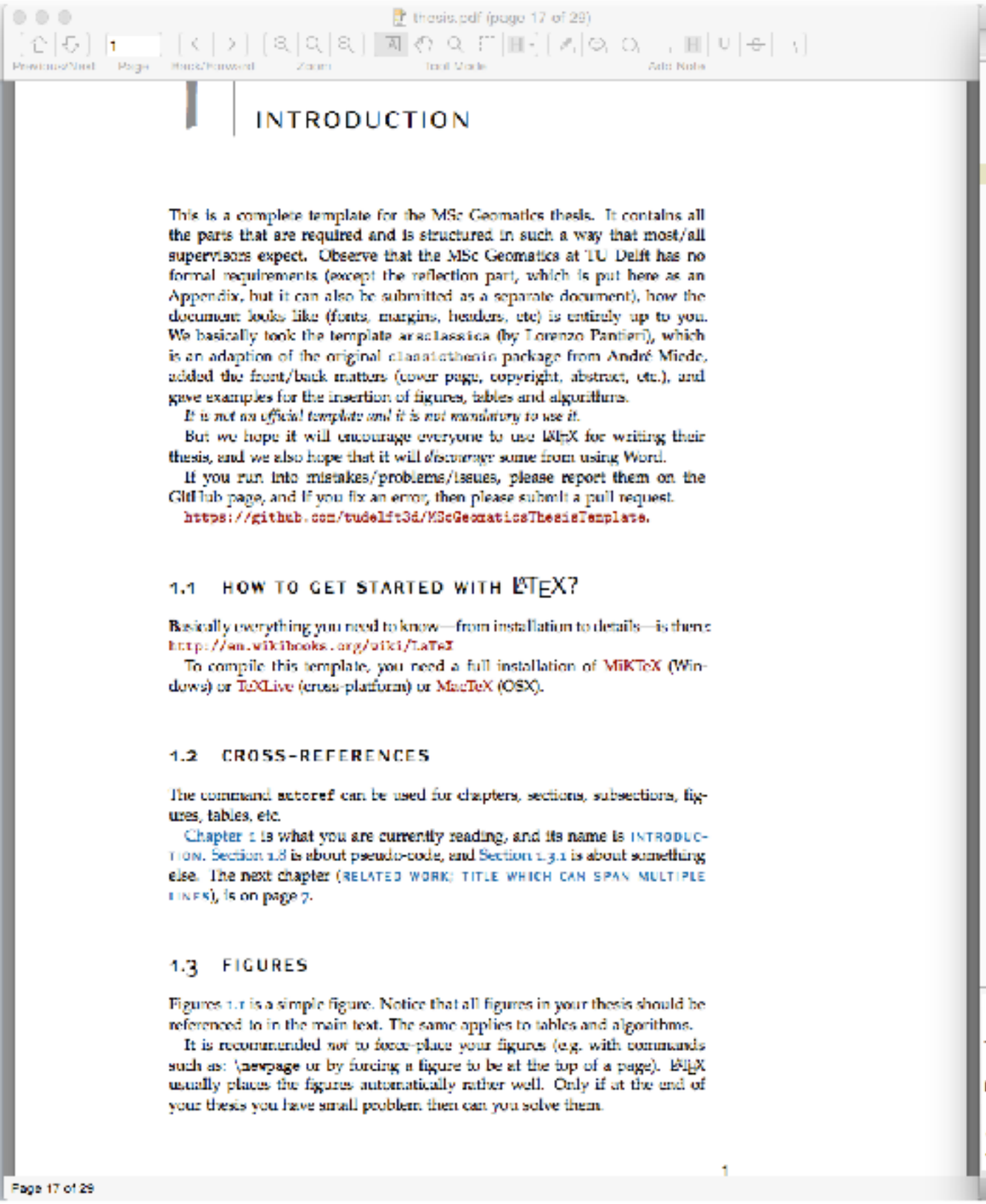
Read many scientific papers and theses



Read this document about writing



Use LaTeX (and not Word)



thesis.pdf (page 17 of 29)

INTRODUCTION

This is a complete template for the MSc Geomatics thesis. It contains all the parts that are required and is structured in such a way that most/all supervisors expect. Observe that the MSc Geomatics at TU Delft has no formal requirements (except the reflection part, which is put here as an Appendix, but it can also be submitted as a separate document), how the document looks like (fonts, margins, headers, etc) is entirely up to you. We basically took the template arsclassica (by Lorenzo Pantieri), which is an adaption of the original classicthesis package from André Miede, added the front/back matters (cover page, copyright, abstract, etc.), and gave examples for the insertion of figures, tables and algorithms.

It is not an official template and it is not mandatory to use it.

But we hope it will encourage everyone to use LaTeX for writing their thesis, and we also hope that it will *discourage* some from using Word.

If you run into mistakes/problems/issues, please report them on the GitHub page, and if you fix an error, then please submit a pull request.
https://github.com/tudelft3d/MScGeomaticsThesisTemplate.

1.1 HOW TO GET STARTED WITH LaTeX?

Basically everything you need to know—from installation to details—is there: http://en.wikibooks.org/wiki/LaTeX

To compile this template, you need a full installation of MiKTeX (Windows) or TeXLive (cross-platform) or MacTeX (OSX).

1.2 CROSS-REFERENCES

The command autoref can be used for chapters, sections, subsections, figures, tables, etc.

Chapter 1 is what you are currently reading, and its name is INTRODUCTION. Section 1.3 is about pseudo-code, and Section 1.3.1 is about something else. The next chapter (RELATED WORK: TITLE WHICH CAN SPAN MULTIPLE LINES), is on page 7.

1.3 FIGURES

Figures 1.1 is a simple figure. Notice that all figures in your thesis should be referenced to in the main text. The same applies to tables and algorithms.

It is recommended not to force-place your figures (e.g. with commands such as: \newpage or by forcing a figure to be at the top of a page). LaTeX usually places the figures automatically rather well. Only if at the end of your thesis you have small problem then can you solve them.

1

Page 17 of 29

introduction.tex

```
1  %!TEX root = ../thesis.tex
2
3  \chapter{Introduction}
4  \label{chap:introduction}
5
6
7  This is a complete template for the MSc Geomatics thesis.
8  It contains all the parts that are required and is structured in such a way that most/
   all supervisors expect.
9  Observe that the MSc Geomatics at TU Delft has no formal requirements (except the
   reflection part, which is put here as an Appendix, but it can also be submitted as a
   separate document), how the document looks like (fonts, margins, headers, etc) is
   entirely up to you.
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   adeption of the original \texttt{classicthesis} package from André Miede, added the
   front/back matters (cover page, copyright, abstract, etc.), and gave examples for the
   insertion of figures, tables and algorithms.
11
12 \emph{It is not an official template and it is not mandatory to use it.}
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14 But we hope it will encourage everyone to use \LaTeX\ for writing their thesis, and we
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15
16 If you run into mistakes/problems/issues, please report them on the GitHub page, and
   if you fix an error, then please submit a pull request.
17
18 \url{https://github.com/tudelft3d/MScGeomaticsThesisTemplate}.
19
20
21 %%%
22 %
23 \section{How to get started with \LaTeX?}
24 \label{sec:startlatex}
25
26 Basically everything you need to know---from installation to details---is there:\\
27 \url{http://en.wikibooks.org/wiki/LaTeX}
28
29 To compile this template, you need a full installation of \href{http://miktex.org/about
   }{MiKTeX} (Windows) or \href{https://www.tug.org/texlive/}{TeXLive} (cross-platform) or
    \href{https://tug.org/mactex/}{MacTeX} (OSX).
30
31
32 %%%
33 %
34 \section{Cross-references}
```

[Compiling /Users/hugo/latex/thesis_template/thesis.tex]

TraditionalBuilder: Invoking latexmk... done.

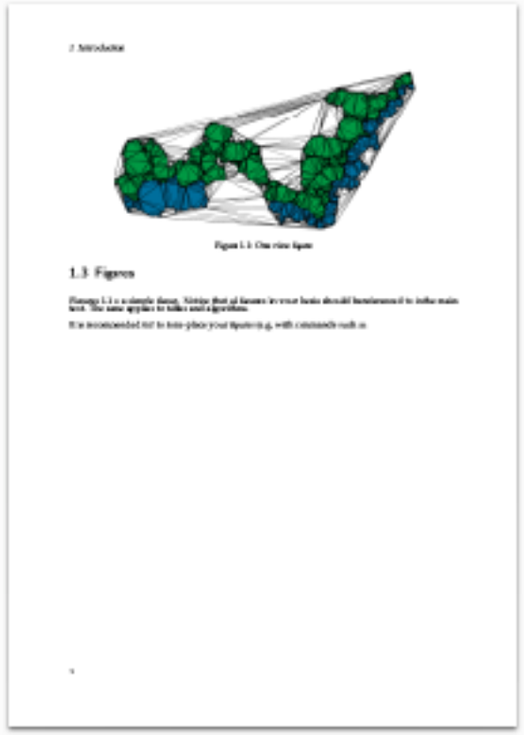
No errors. Warnings:

/usr/local/texlive/2015/texmf-dist/tex/latex/classicthesis/classicthesis.sty: Class scrreprt Warning: U
/usr/local/texlive/2015/texmf-dist/tex/latex/titlesec/titlesec.sty: Package titlesec Warning: Non stand
/usr/local/texlive/2015/texmf-dist/tex/latex/titlesec/titlesec.sty: Package titlesec Warning: Non stand

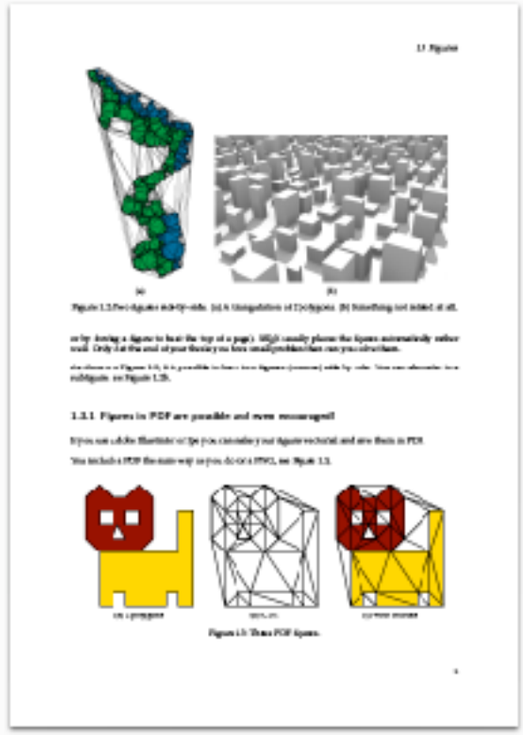
0 errors, 2 lines, 1 characters selected Spaces: 2 LaTeX

There's a LaTeX template available for the thesis

1



2



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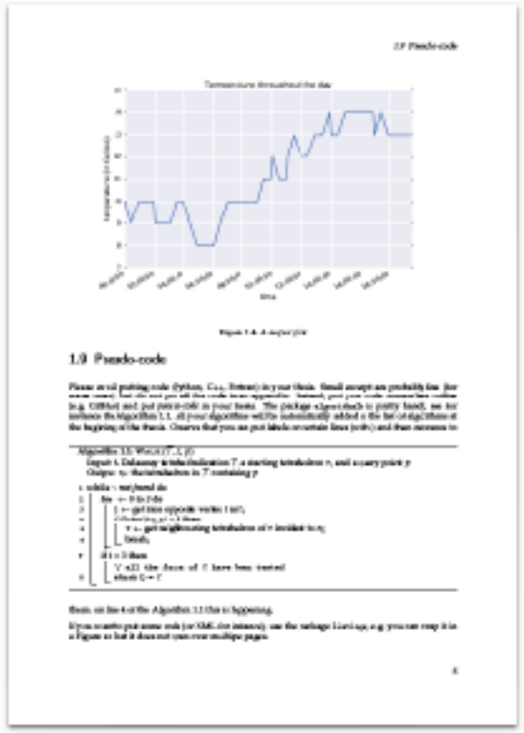

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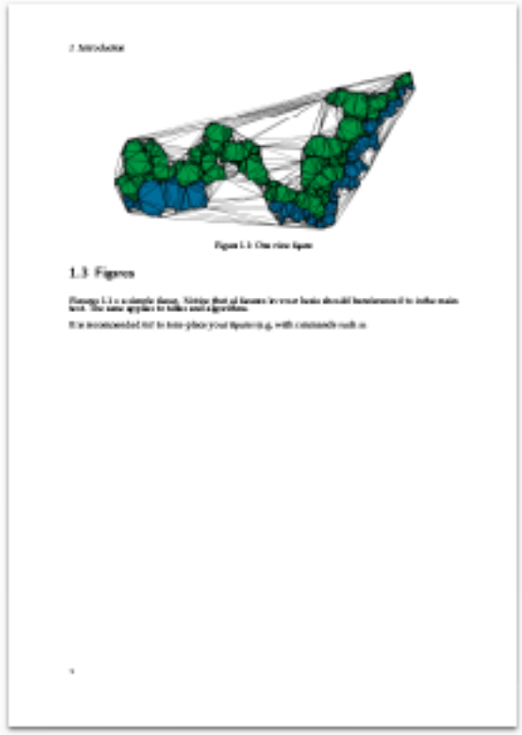
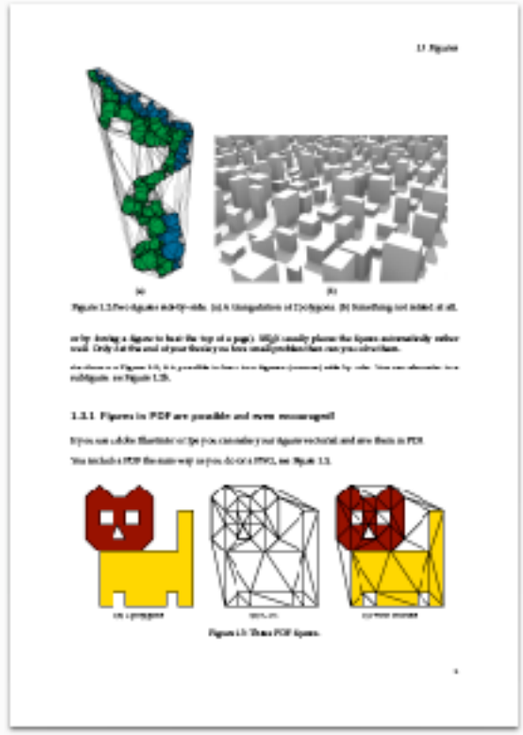
6

There's a LaTeX template available for the thesis

1



2



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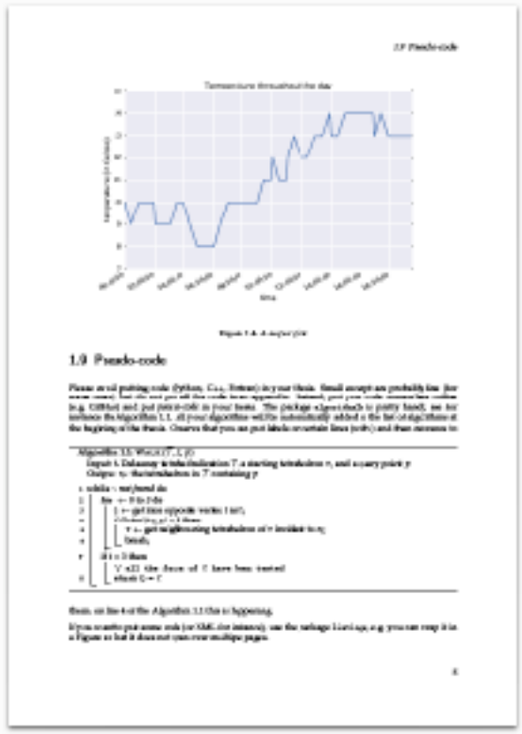

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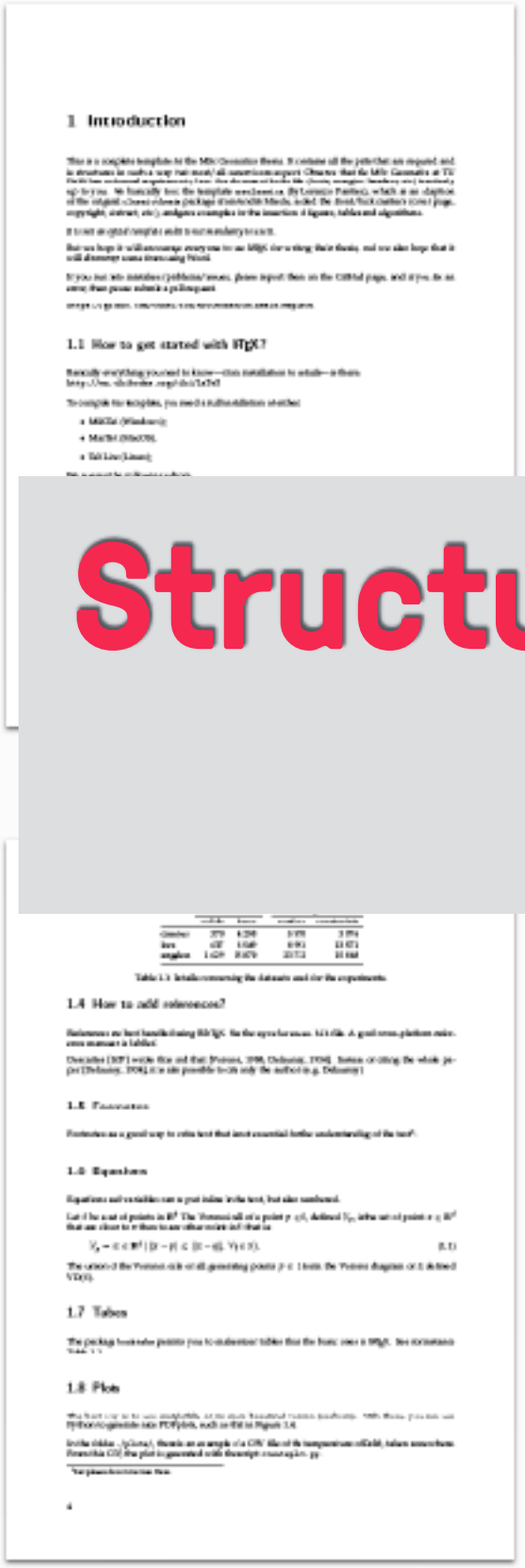
There's a LaTeX template available for the thesis


1 Introduction

This is a complete template to the MSc Geomatics thesis. It contains all the parts that are required and its structure is such a way that most/all answers can be given. Observe that the MSc Geomatics at TU Delft has some additional requirements (see, for instance, headings, numbering, etc.) not exclusively up-to-you. We basically love the template we have set up (by Lorenzo Pantieri), which is an elaboration of the original classes/scheme packages (memoir/KOMA-Script, scrbook). The book/book author's name | page, copyright, abstract, etc.), and gives examples for the insertion of figures, tables and algorithms.

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http://www.tug.org/texlive/acquire-netinstall.html

To compile the template, you need a LaTeX distribution whether

- MiKTeX (Windows);
- MacTeX (MacOS);
- TeX Live (Linux);

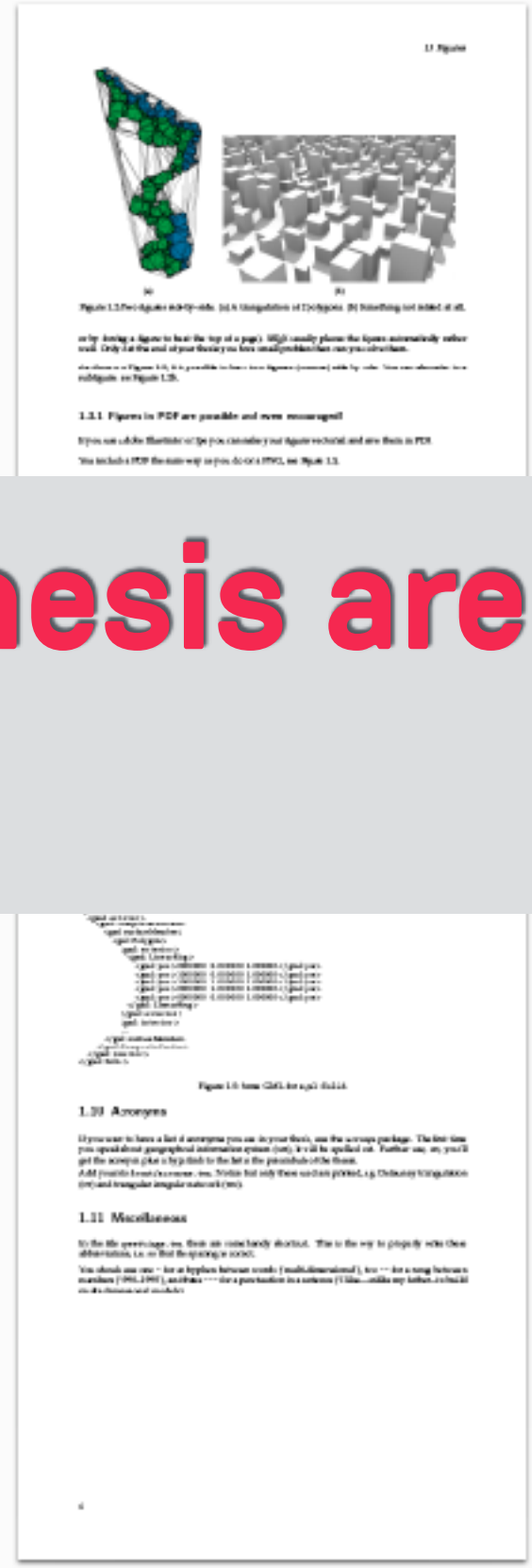

1 Introduction

Figure 1.1: One view figure

1.3 Figures

Figure 1.1 is a simple demo. Notice that all figures in your body should be referenced to in the main text. The same applies to tables and algorithms.

It is recommended to let LaTeX place your figures (e.g. with constraints such as


1.3 Figures

(a) (b)

Figure 1.2: Two figures side-by-side. (a) A triangulation of 2 subplots. (b) Something not related, at all.

or by forcing a figure to float the 'top of a page'. LaTeX usually places the figures automatically rather well. Only at the end of your thesis you have small problems when you refer them.

For example, see Figure 1.2b, it is possible to have two figures (centered) side by side. You can also refer to subfigures: see Figure 1.2b.

1.3.1 Figures in PDF are possible and even encouraged!

If you use Adobe Illustrator or Xpdf you can make your figure vectorial and save them in PDF.

You include a PDF file the same way as you do on a PNG, see Figure 1.3.

Structure and template thesis are not prescribed

Table 1.1: Details concerning the datasets used for the experiments.

1.4 How to add references?

References are best handled using BibTeX. See the sections 1.4.1 file. A good cross-platform reference manager is JabRef.

Once the [.BIB] works fine and that [Pottmann, 2008, Delaunay, 1934], feature of citing the whole paper [Delaunay, 1934], it is also possible to cite only the author (e.g. Delaunay)

1.5 Footnotes

Footnotes are a good way to write text that is not essential for the understanding of the text[1].

1.6 Equations

Equations and variables can a great value in the text, but also numbered.

Let S be a set of points in $\mathbb{R}^2$. The Voronoi cell of a point $p \in S$, defined V_p, is the set of points $x \in \mathbb{R}^2$ that are closer to p than to any other point in S that is

$$V_p = \{x \in \mathbb{R}^2 \mid \|x - p\| \leq \|x - q\|, \ \forall q \in S\}. \tag{1.1}$$

The union of the Voronoi cells of all generating points $p \in S$ forms the Voronoi diagram of S, defined $VD(S)$.

1.7 Tables

The package booktabs points you to elaborate tables that the basic ones in LaTeX. See for instance Table 1.1.

1.8 Plots

We have a lot of nice examples of the data formatted various positively. With these you can use Python's matplotlib to make PGF plots, such as the one in Figure 1.4.

In the folder ../plots/ there is an example of a CSV file of the temperature of Delft, taken somewhere from the CSV, the plot is generated with the script create_plot.py.

[1] Like this for instance, here.

Figure 1.4: A matplotlib plot

1.9 Pseudo-code

Please do not putting code (Python, C++, Fortran) in your thesis. Small excerpts are probably fine (for some cases), but this does not belong in appendices. Instead, point your code somewhere online (e.g. GitHub) and just paste it code in your thesis. The package algorithms2e to pretty much, see for instance the Algorithm 1.1. All 'procedure' algorithms will be automatically added to the list of algorithms at the beginning of the thesis. Observe that you are not labels to certain lines (with ;) and than increase in

Algorithm 1.1: WhichCell(T, L, p)
Input: L: Delaunay tetrahedralization T: a starting tetrahedron τ, and a query point p
Output: τ: the tetrahedron in T containing p

```
τ.visit ← not found do
    for i ← 0 to 3 do
        t ← get face opposite vertex i of τ;
        if t is infinite then
            return t;
        V ← get neighbouring tetrahedron of τ incident to t;
        if V.visit = false then
            τ ← V;
```

Finally, on line 4 of the Algorithm 1.1 this is happening.

If you want to put some code (or XML-file instance), use the package listings, e.g. you can wrap it in a Figure so that it does not span over multiple pages.

Figure 1.5: Some GIMP-ish for a girl. Hello.

1.10 Acronyms

If you want to have a list of acronyms you can in your thesis, use the acronym package. The first time you spend about geographical information system (GIS), it will be spelled out. Further use, are you'll get the acronym plus a hyperlink to the list + the pointindex of the thesis.

Add (invisible) text to acronyms, too. Notice list only those section printed, e.g. Delaunay triangulation (DT) and triangular irregular network (TIN).

1.11 Miscellaneous

In the file spelling.aux, there are some handy shortcut. This is the way to properly write these abbreviations, i.e. we find the spacing is correct.

You should use one ~ for or hyphen between words ('multi-dimensional'), two -- for a song between numbers (1961–1965), an ellipsis \ldots for a punctuation in a sentence ('I like...unlike my father...') should check the manual for more.

Other ones?

- Use a **reference manager** (eg Endnote, JabRef, Mendeley)
- Check **google scholar**, recent review paper
- Your **latex in git** or somewhere else safe
- Use paper and pen to think, write, boost creativity and keep your notes!
- Start writing <u>early</u> in the process (it takes more than 2 weeks to write 75 pages...)
- Use **vector figures/plots** (~~Windows Paint~~, Adobe Illustrator, Inkscape, draw.io)
- Report on the good and the bad aspects of your method
- Eat vegetables every day, and sport
- It's not a sprint, it's a marathon —> **if stuck, stop for 2 days!**
- Tired? Is this daunting? YES, it is! Hold tight, you are not alone.

graduation

internship

Open science requirements

Most staff follow the open science requirements, which means that even if you carry out the work in collaboration with a company you need to publish your thesis openly, have the code open, no embargoes, etc.

➡️ https://geomatics.bk.tudelft.nl/geo2021/openscience/

GEO2021

MSc Geomatics

A

Info about the As

Latest news

⚠ For students who started before the 2025-2026 academic year (P system), see the GEO2020 website.

23 May 2025: Intro session on 3rd June at 13:30 room Q

all news

Templates for deliverables

FAQ

Example theses

Graduating with a company

Research & writing tips

Potential topics

Stuff for supervisors

Current Theses

Graduation calendars

Thesis in company?
Paperwork mandatory

8. Questions?

https://geomatics.bk.tudelft.nl/geo2021/