Development of the Research Project Services Platform (RPS-platform)

(L)DCC, Utrecht, November 6th

Erik Jansen

Maastricht University

RPS-project team
- Chantal Machiels
- Danny Franssen
- Michael Coenen
- Peter Ceelen
- Reno Dormanns
- Erik Jansen

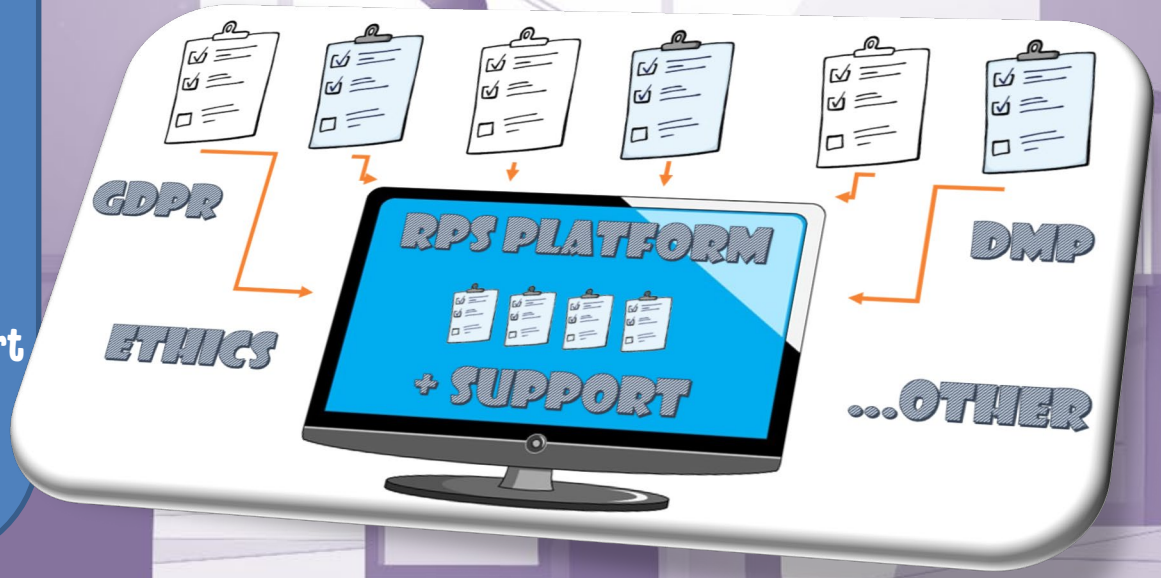
RESEARCH PROJECT SERVICES

Topics
- Idea, vision and scope
- Project preparations
- Tooling choice
- Project organization
- Milestones, timeline
- Progress, current state

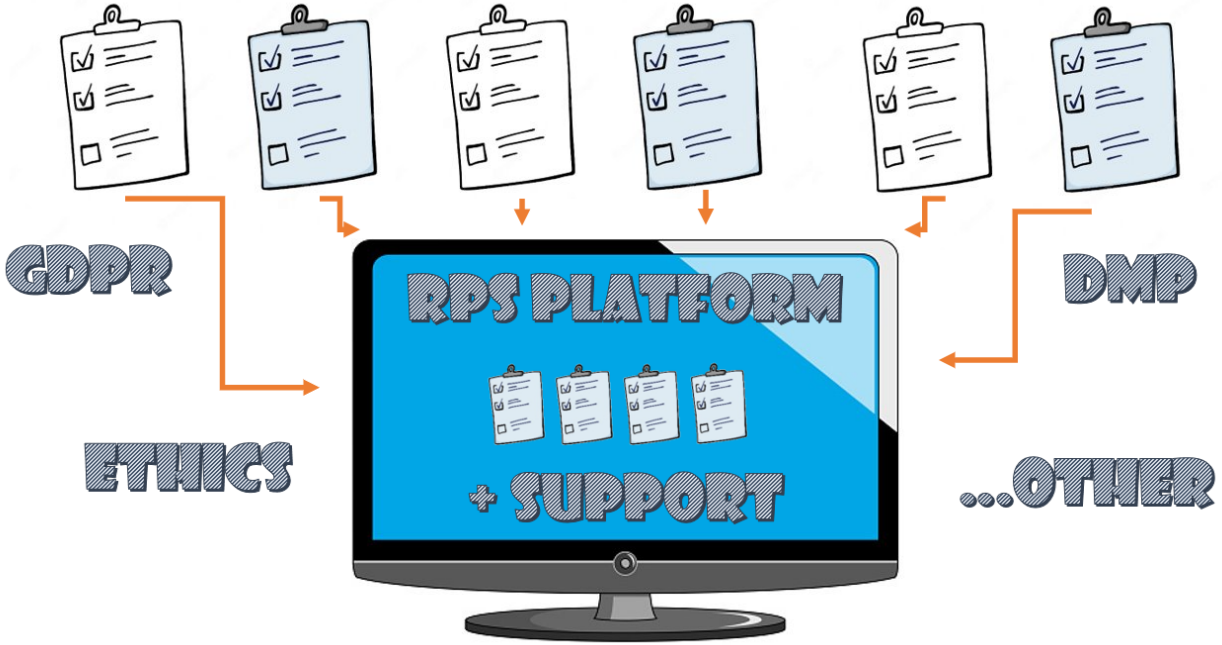
Forms and tools ?!

The RPS-platform

- Processes within one platform
- Answer questions only once
- Knowledgebase
- Direct support requests
- Pro-active (Data Steward) support
- Reports (Management info)



Result



- We are developing a Research Project Services Platform (RPS platform)
- The RPS platform will be a centrally managed system
- Clear governance (authorization in coordination with faculties, role-based access)

Product vision RPS-platform

- By combining and simplifying research-related administrative processes;
- Will researchers save researchers valuable time that can be spent on research;
- And research support staff will be able to offer proactive, targeted and organized support.

But it started with …

- Acknowledged a certain dissatisfaction in the research community
- Inefficient work process for Data Stewards

- Inspired by presentations of Tilburg, Twente and Amsterdam
- … and used to inspire …

…. so we wanted to develop a concept/idea

Research Project Services: the journey

- CDDI shareholder group
- Maastricht Young Academy
- Policy advisors research
- Research Platform
- Research schools faculties
- Data stewards
- RDM expert network
- Information Managers Faculties
- Open Science community
- Research Service providers (RSO funding support, MEMIC, Datahub)
- Linking Support Team (infra, security, privacy)
- PhD platform

Community consultation

2022 Q1

Systems scouting

2022 Q3

Accepted! budget approved

~~Now~~

2022 Q4

2023 Q1

- Data Steward support
- Ethical Committee
- Data Management Plan
- GDPR Registration
- Data Protection Impact Assessment
- Processing- Transfer agreements
- Informed consents
- PreRegistration
- Community Standards
- Funding

2022 Q2

Collection of requirements

- Faculty governance
- Research Project ID
- Centrally managed
- KPI reporting
- User centric

Proposal to the I-board

PROJECT (LEAN) BUSINESS CASE

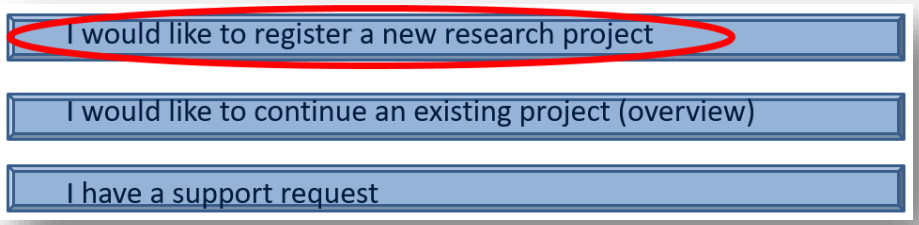
Naam Project:	**Research Project Services platform** *previous working title: Research Data Services platform*
Datum:	11 Oktober 2022
Naam indiener:	Dr. Claudia van Oppen (RDS Service Integrator) & Marc Dolman
Domein:	I-Research
Projectverantwoordelijke :	Executive: Claudia van Oppen (RDS Service Integrator) Product owner: Erik Jansen

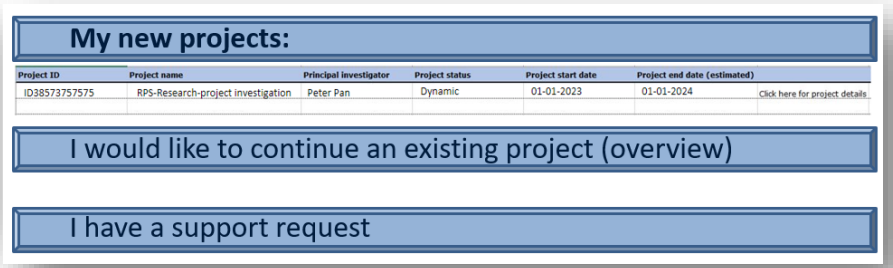
Development team set-up

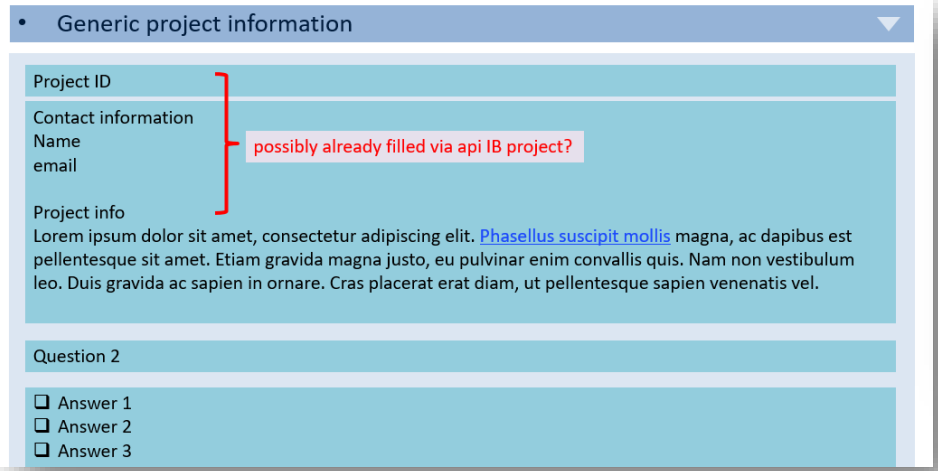
Preparations (Jan - Aug)

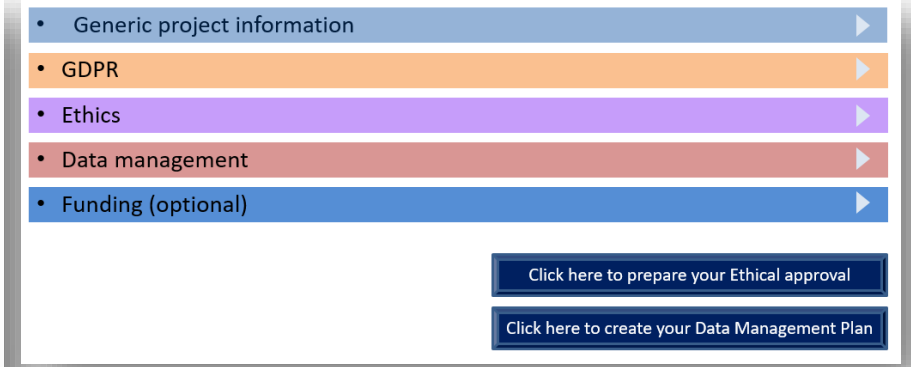
- Concept thinking, architecture, roles, project management method, …
- Stakeholder mapping
- Communication plan
- Key role for Data Stewards and Information managers
- Defining the (Scrum) team roles: Recruitment

- **Mockup** (powerpoint)
  - Concept presentation
  - Collect feedback


I would like to register a new research project
I would like to continue an existing project (overview)
I have a support request


My new projects:
Project ID
Project name
Principal investigator
Project status
Project start date
Project end date (estimated)
ID38573757575
RPS-Research-project investigation
Peter Pan
Dynamic
01-01-2023
01-01-2024
Click here for project details
I would like to continue an existing project (overview)
I have a support request


Generic project information
Project ID
Contact information
Name
email
possibly already filled via api IB project?
Project info
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Phasellus suscipit mollis magna, ac dapibus est pellentesque sit amet. Etiam gravida magna justo, eu pulvinar enim convallis quis. Nam non vestibulum leo. Duis gravida ac sapien in ornare. Cras placerat erat diam, ut pellentesque sapien venenatis vel.
Question 2
Answer 1
Answer 2
Answer 3


Generic project information
GDPR
Ethics
Data management
Funding (optional)
Click here to prepare your Ethical approval
Click here to create your Data Management Plan

The project Team

Michael Coenen
Developer (0,6 fte)
Joined June 2023

Danny Franssen
Business Analist (0,4 fte)
Starts September 2023

Reno Dormanns
Application specialist/Admin (0,95 fte)
Starts September 2023

Chantal Machiels
Communication (0,2 fte)
Joined July 2023

Peter Ceelen
Scrum Master (0,2 fte)
Joined July 2023

Erik Jansen
Product Owner (0,8 fte)
Joined January 2023

Kickoff (September 11th)

- Highlevel Roadmap
- Explaning roles
- Project management method (Agile Scrum)
- Next steps
- Communication

A first proof of concept (September 25th)

It is not yet:

- a fully developed and
- detailed version

It is a:

- concept, a draft,
- giving a first impression of what the workflows could look like from the researcher's perspective.
- Already built in Jira Service Management!

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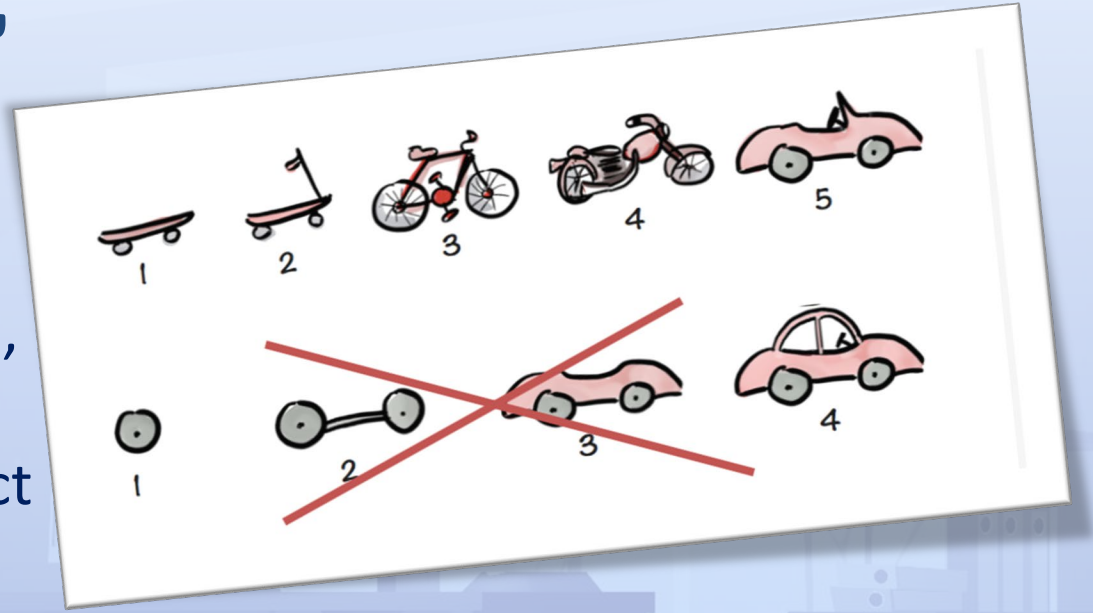
A first proof of concept

Goal:

- Give a first impression,
- as a prelude to next steps,
- and a first step towards
  a Minimum Viable Product



- Starting point for collaboration and the further elaboration of
  - the processes and the content with stakeholders

RESEARCH
PROJECT
SERVICES

A first proof of concept

Functionality shown today:

- Data retrieval from external source (e.g. IB Pre-/Post Award)
- Form selection based on conditions
- Conditional questions in forms
- Reuse of answers in questions

RESEARCH
PROJECT
SERVICES

The project journey ahead

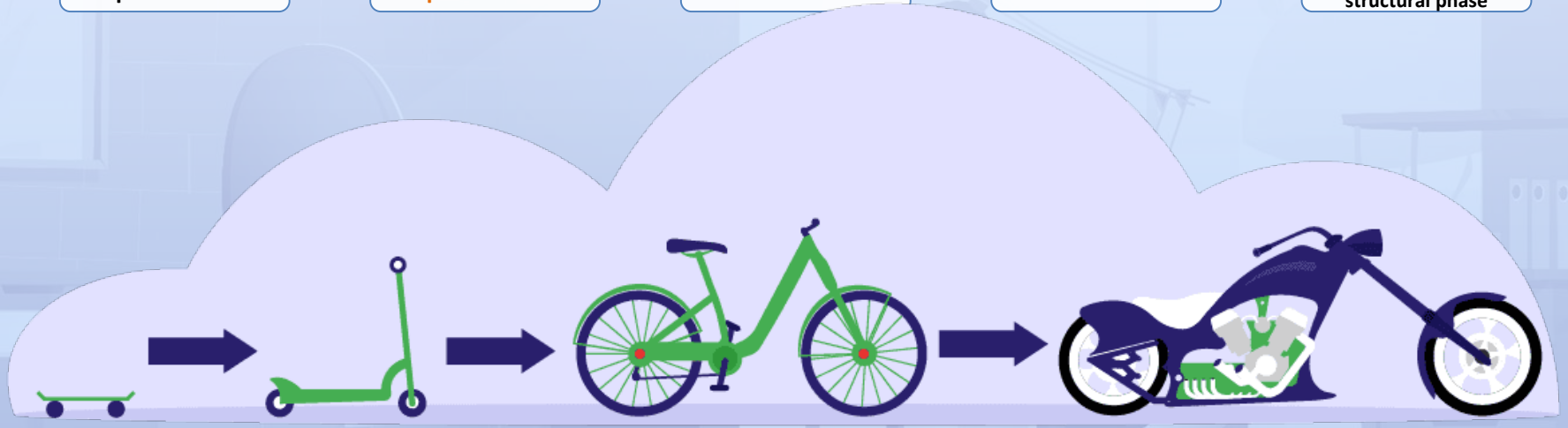
2023-Q3
Kick-off
September 11th

2023-Q3
Proof of Concept
September 25th

2024-Q1/Q2
Minimum Viable Product

2024-Q2 (end)
RPS v1

2024-Q3
Further development and transition to structural phase

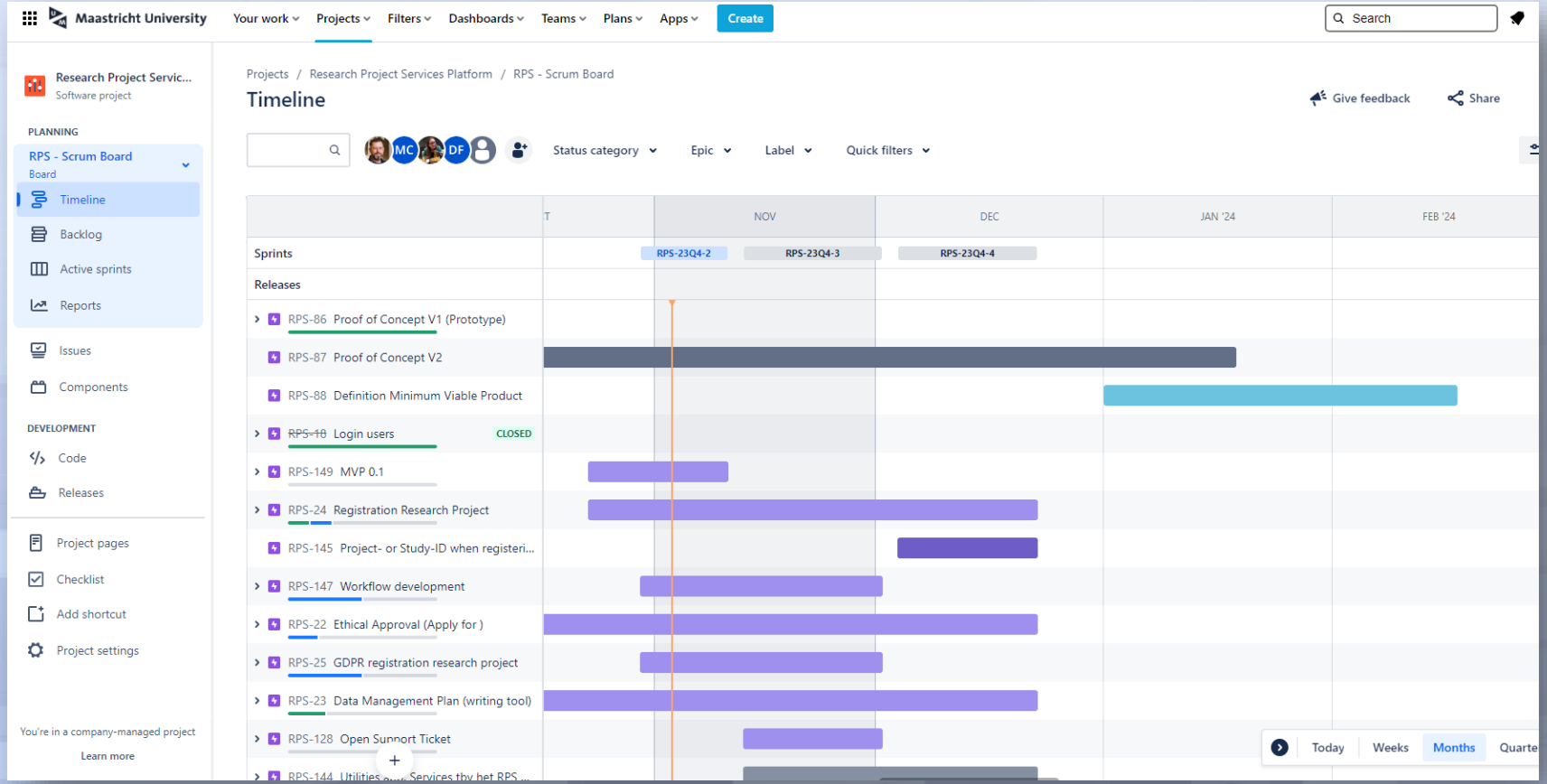


RESEARCH PROJECT SERVICES

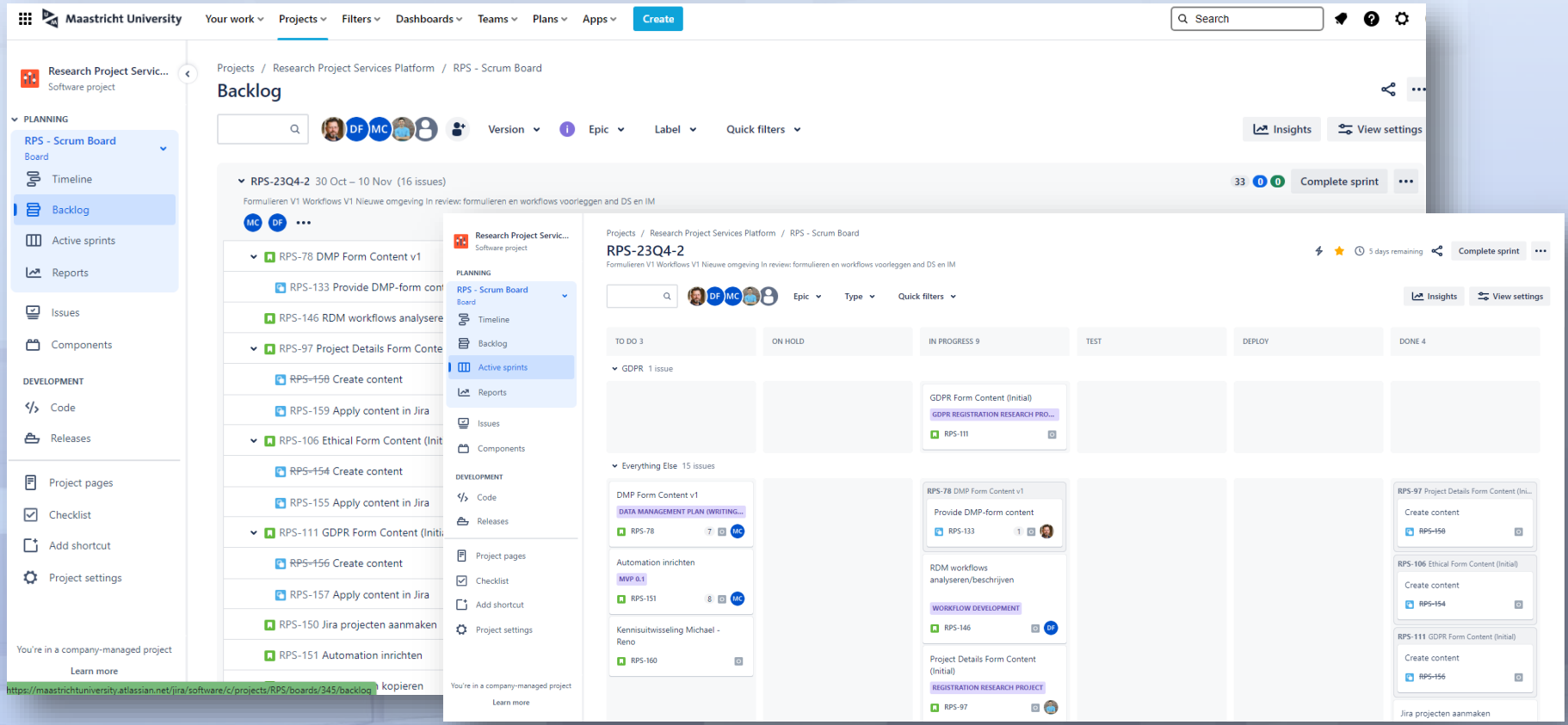
Now the 'real work' started … Workbreakdown

- **Workflows/processen**
- **Koppeling IB**
  - Research Masterdata Service
    - ID (uniek projectnummer) ophalen
    - Generieke projectgegevens ophalen
-
- **GDPR registration**
  - Formulier ontwikkelen
    - Content ontwikkelen en samenstellen
    - Formulier bouwen in JSM
  - Workflow inrichten
- **Ethical approval**
  - Formulier ontwikkelen
  - Workflow inrichten
- **DMP**
  - Formulier ontwikkelen
  - Workflow inrichten
- **Support request**
  - Formulier ontwikkelen
  - Workflow inrichten
- **Knowledge base**
  - Content ontwikkelen
  - Content inrichten
- **Reporting tool**
  - Genereren rapportages (nog te bepalen)
  - Output (tabel/database/query?)

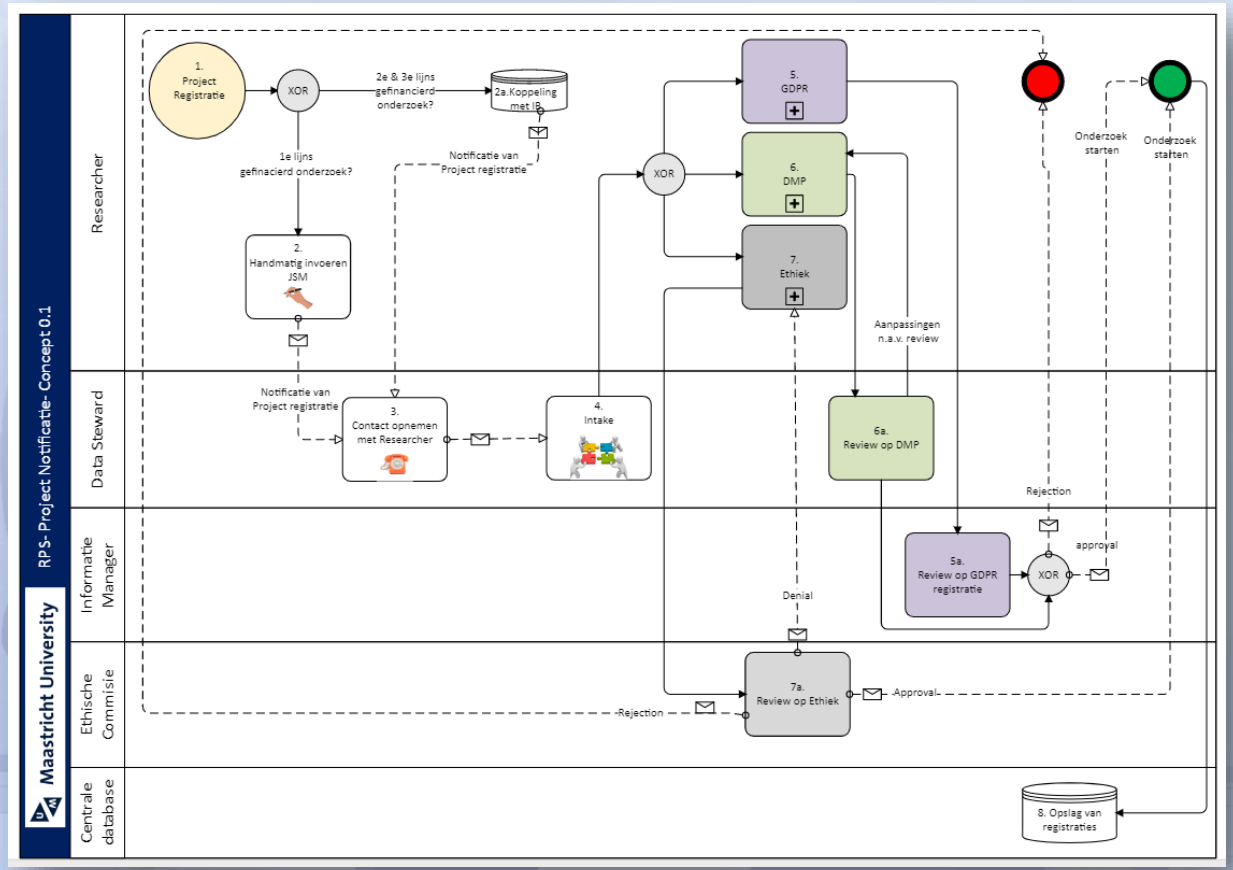
Now the 'real work' started ... Epics and Stories



Now the 'real work' started ... Backlog and Sprints



Analyze, shape and build: Workflows



Credits, images

- Freepik
- agilescrumgroup