

## WP3: Tools and services for software quality and FAIRness

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### Kick-off Meeting

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# WP3: Overview and scope

## Objectives

**03.1:** To establish a technology watch identifying and gathering tools and services targeting scientific software, code, and workflows quality and FAIRness

**03.2:** To assist the Science Clusters in measuring and improving software, code, and workflows quality and FAIRness globally by combining existing tools and services into common frameworks

This WP connects existing individual tools and services with developers and Science Clusters in three steps:

1. **collecting** existing tools and services for software (including all forms of executable code) quality
2. **linking** them in common pipelines or frameworks
3. **integrating** them with platforms used in the Science Clusters

This WP collaborates with the Science Clusters identified in WP4 that helps to shape the developed tools to their needs.

# WP3: Tasks

**Task 3.1 (M01-M36):** Technology watch for tools and services to assess, curate and improve scientific software, code, and workflows quality in the Science Clusters.

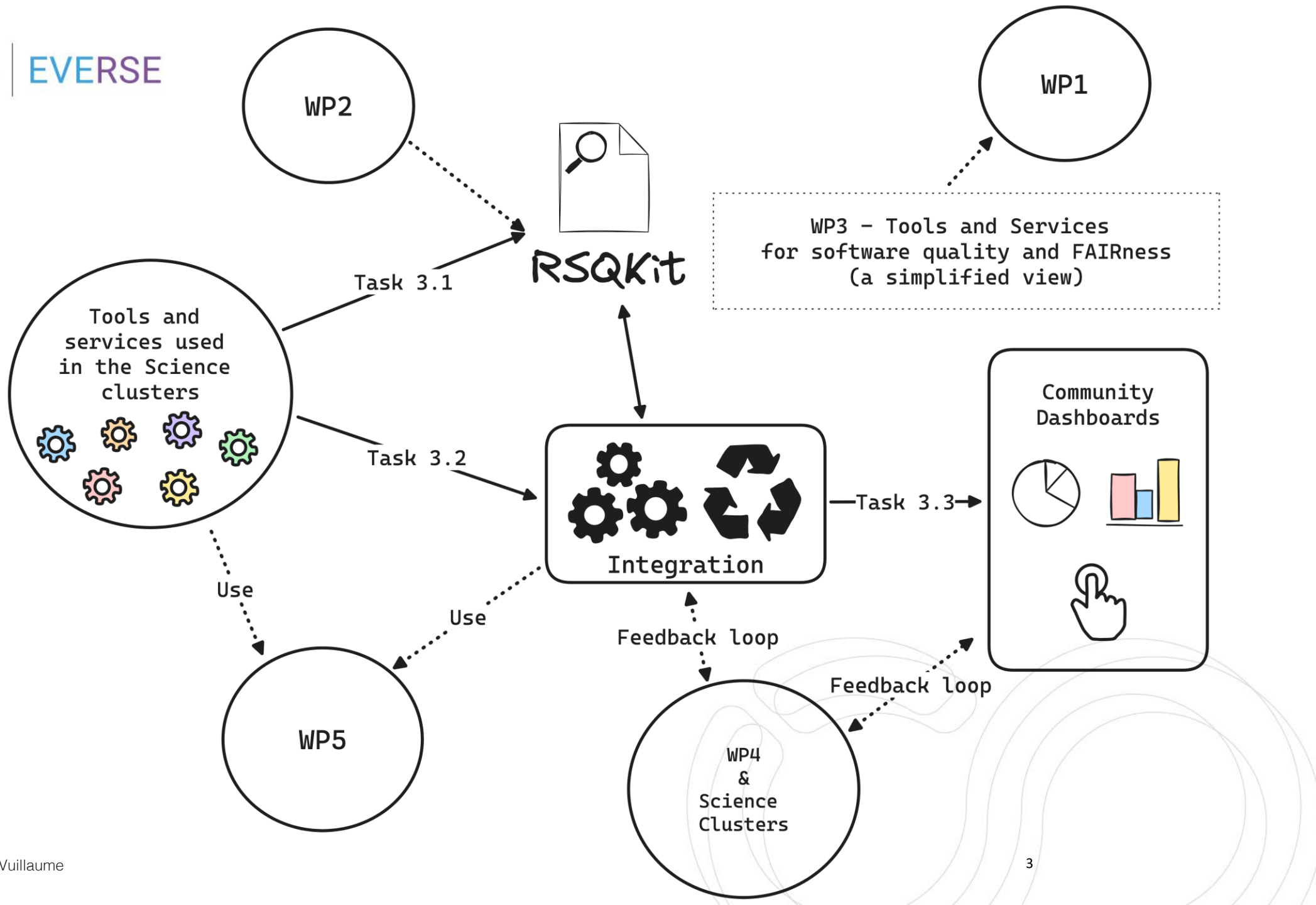
Lead: SKAO, co-Lead: UEDIN

**Task 3.2 (M07-M36):** Consolidation of tools and services to ease their implementation and use in research communities.

Lead: BSC, co-Lead: FAU

**Task 3.3 (M07-M36):** To provide the means to measure globally the software quality in the Science Clusters.

Lead: NLeSC, co-Lead: UPM



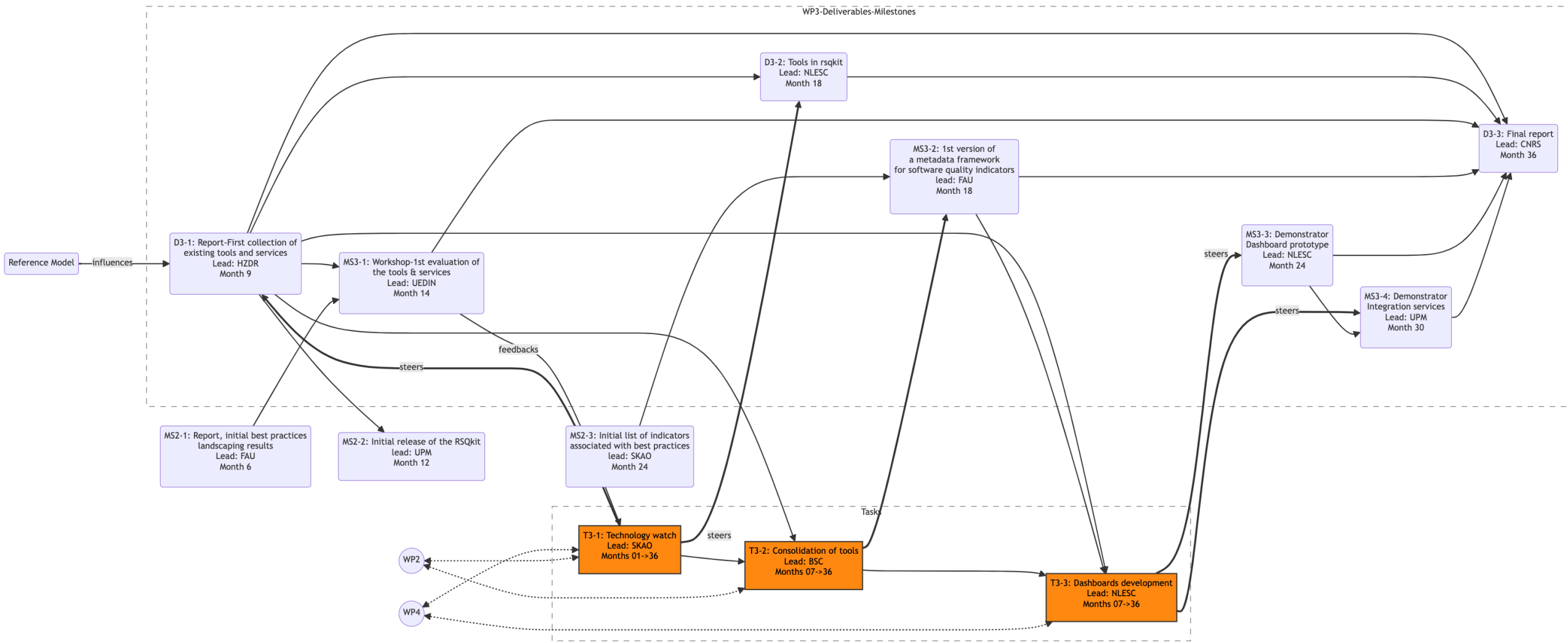
## WP3: Expected (but not exhaustive) interactions with other WPs

WP1	WP2	WP4	WP5
<ul style="list-style-type: none"> <li>Engage with the communities</li> <li>Provide resources on the tools and services (website, seminars...)</li> </ul>	<ul style="list-style-type: none"> <li>align tools with the good practices</li> <li>fill the RSQKit</li> <li>align tools with the software quality indicators and metrics</li> </ul>	<ul style="list-style-type: none"> <li>gather existing tools and services used in the Science clusters</li> <li>provide tools and support to adopt them to the Science clusters</li> <li>adapt the tools to the clusters specific needs</li> <li>get feedback on the tools (developers' experience)</li> </ul>	<ul style="list-style-type: none"> <li>tools to assess training materials quality and FAIRness</li> <li>RSEs recognition by providing the means to assess their contributions to (good quality) research software</li> <li>include tools in the training material</li> </ul>

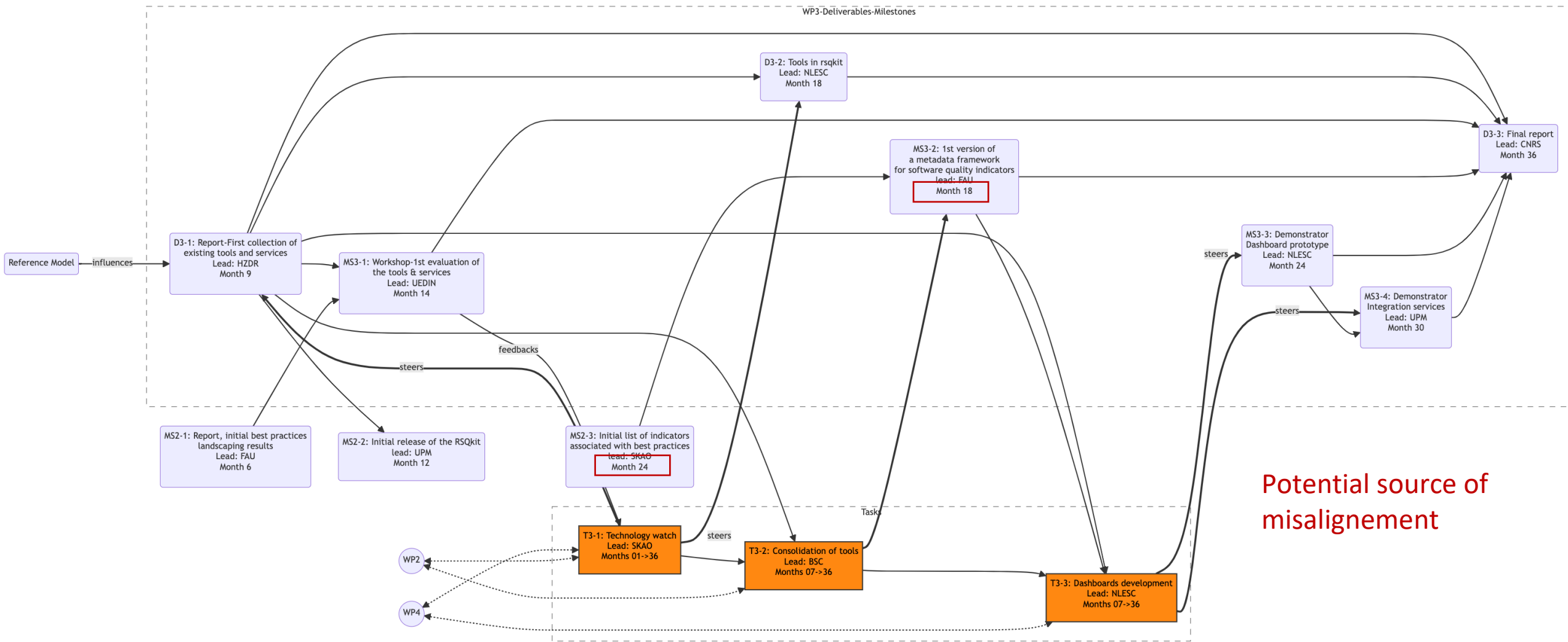
# Deliverables and Milestones

Deliverables/Milestones	Name	Due Month	Lead
D3.1	First collection of existing tools and services usable in the Science clusters to assess, curate and improve software quality and FAIRness.	M09	HZDR
D3.2	Catalogue of RSQkit Tools for Assessing and Improving Software Quality and FAIRness	M18	NLESC
D3.3	Impact of Pipelines and Dashboards on Software Quality: Final Adoption Report	M36	CNRS
MS3.1	First evaluation of the tools and services in the form of a workshop against WP2 initial best practices (MS2.1) and recommendations to adapt these tools if necessary	M14	UEDIN
MS3.2	First version of a metadata framework for software quality indicators and of actionable pipelines based on community selected use-cases to assist software developers and maintainers assessing and improving software quality, metadata and FAIRness	M18	FAU
MS3.3	Dashboard prototypes demonstrating capabilities to track software quality and tested in the Science Clusters	M24	NLESC
MS3.4	Demonstration of the outcome of the common framework to the research community, by showing software quality indicators in existing services (such as OpenEBench, WorkflowHub, Research Software Directory, ENVRIHUB, etc) based on the dashboard prototype	M30	UPM

Month	M03	M06	M09	M12	M14	M18	M21	M24	M27	M30	M33	M36
M/D			D3.1		MS3.1	D3.2 MS3.2		MS3.3		MS3.4		D3.3
T3.1												
T3.2												
T3.3												



\*refer to the grant agreement for a more exhaustive description



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# Tasks & partners involvement

From the proposal document, but everyone can contribute to all tasks

	T3.1	T3.2	T3.3
SKAO	<b>lead</b>		
UEDIN	<b>co-lead</b>		x
CNRS-LAPP	x	x	x
NLESC	x	x	<b>lead</b>
UPM	x	x	<b>co-lead</b>
FAU	x	<b>co-lead</b>	
HZDR	x		
BSC	x	<b>lead</b>	
UNIMAN		x	x
CU		x	x
CERN		x	x
HZDR		x	
CERTH			x
UvA			x

# WP3 meetings & organisation

- Regular meeting: 4<sup>th</sup> Monday of the month (see dates <https://indico.cern.ch/category/18101/>)
- Subscribe to the indico calendar:
  - EVERSE: <https://indico.cern.ch/category/18089/events.ics>
  - WP3: <https://indico.cern.ch/category/18101/events.ics>
- Rolling collaborative minutes
  - Document appended every meeting
  - A snapshot of the actual meeting minutes will be copied to the corresponding indico page
- Each task will organize their own independent meetings with the required partners
  - WP3 meetings to coordinate and share information

Rolling minutes: <https://warehouse.inab.certh.gr/index.php/f/3591471>

Indico: <https://indico.cern.ch/category/18101/>

Mattermost channel #WP3-tools

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# Thank you!



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