

Annual Work Plan 2018 topics and S2R Programme specificities

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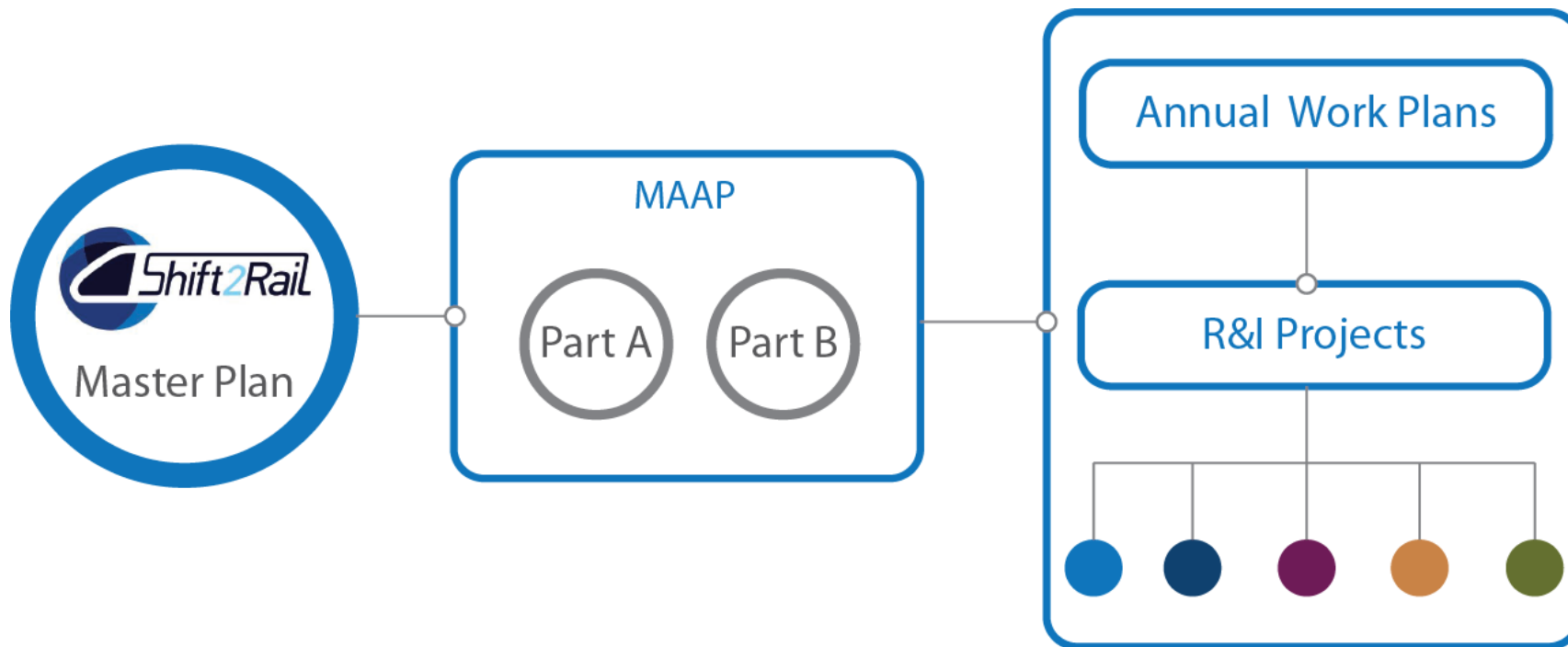
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S2R Joint Undertaking

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The S2R Programme implementation



The S2R MAAP*

- is a collaborative long-term investment planning document, which now also contains an Executive View (**Part A**) providing the **S2R vision and Capabilities**
- translates strategic R&I priorities for the Railway sector – as per S2R Master Plan - into **concrete R&I activities, milestones and deliverables**
- contains the description of R&I activities worth an estimated **value of about EUR 777 million**
- **is a living document** (ongoing “maintenance” for **Part B**)
- enables the preparation of result-oriented **Annual Work Plans** and **Calls for Proposals or Tenders**
- **grants awarded** for the actions(Projects) should aim to implement part(s) of the MAAP

* multi-annual action plan



AWP 2018 S2R Programme specificities

Million of EUR	Total	Members only	Open to non-Members
Value of the Call for Proposals R&I	155.2	134.1	21.1
<i>S2R Maximum Co-funding</i>	78.7	59.6	19.1
<i>In-Kind Contribution</i>	76.5	74.5	2
No of topics	18	7	11
Value of Call for tender R&I	2.3	0	2.3
No of topics	4	0	4

AWP 2018 S2R Programme specificities

How to read the topic acronyms

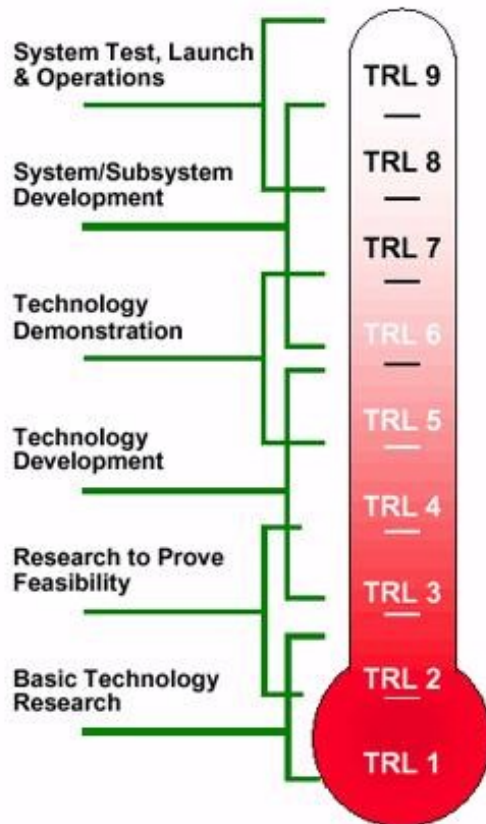
Topic number – IP	Topic name (*) <i>indicative figures in EUR</i>	Action Type and expected Technical Readiness Level (TRL)	Maximum S2R co-funding (*)	Complementarity
S2R-OC-IPX-01-2018	Paradigm shifts for railway	RIA, up to TRL 2	2,200,000	- S2R-CFM-IP1-02-2018 - S2R-CFM-IP2-01-2018 - S2R-CFM-IP3-01-2018

Number	IP1	IP2	IP3	IP4	IP5	CCA	IPX
CFM topic	2	1	1	1	1	1	0
OC topic	1	3	1	2	1	0	3
Linked tender topic		2	1			1	

Technology Readiness Levels definition

HORIZON 2020 – WORK PROGRAMME 2018-2020
General Annexes

Where a topic description refers to a TRL, the following definitions apply, unless otherwise specified:



- TRL 1 – basic principles observed
- TRL 2 – technology concept formulated
- TRL 3 – experimental proof of concept
- TRL 4 – technology validated in lab
- TRL 5 – technology validated in relevant environment (industrially relevant environment in the case of key enabling technologies)
- TRL 6 – technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies)
- TRL 7 – system prototype demonstration in operational environment
- TRL 8 – system complete and qualified
- TRL 9 – actual system proven in operational environment (competitive manufacturing in the case of key enabling technologies; or in space)

Programme approach, future/current projects

- EACH PROJECT contributes to the **achievement of the Master Plan and the MAAP objectives**
- EACH PROJECT is part of a programme and **cooperation with other projects** must be ensured
 - Through the **collaboration and input to the JU Members**, EACH PROJECT will support the realization of **long-term S2R technological demonstrations or innovative break-through**
- Particular attention is given to ensure that there is **no duplication of work** between EACH PROJECT and current/future R&I activities
- EACH PROJECT results are taken into consideration for the next annual work plans to ensure sufficient **complementarity** and **coherence**

Complementarity & Collaboration Agreement

1. Complementary is **defined at topic level**
2. Complementarity between topics is **compulsory established in the Grant Agreement** (need for a Collaboration Agreement)
3. IP/CCA SteCos, high level synchronization points: Project Coordinators may attend the SteeCo meetings as observer and IP Coordinators cooperate with project coordinator to **foster/promote synergies**
4. S2R Programme Managers: Central Contact Point for both projects

Complementarity & Collaboration Agreement

Issues to be tackled in the Collaboration Agreement (COLA) (examples/non-exhaustive list)

- Rules for collaboration, “who does what?”; Point of Contacts etc.
- Handling review of documents
- Agreement on action to be performed by both sides + linked timing (e.g. project A provides “user requirements” by M6 to project B; project B provides input by M18 to project A → project A uses input for deliver their deliverable 2.3).
- Participation to restricted meetings (for specific purpose) or to public meetings (including Advisory Groups, etc...).

Complementarity & Collaboration Agreement

Tips/lessons learnt during implementation phase:

- COLA establish the relation between OC Projects with CFM Projects, to ensure alignment, agreement on tasks, background and results → Annexes should have meaningful content and ensure OC Projects duly provide to the CFM Projects input when so defined
- Start discussions with complementary project(s) as soon as possible
 - Anticipate as much as possible issues (timing discrepancy, possible duplication, etc.)
 - Inform the S2R PM should any major difficulties encountered, however COLA's signature cannot be a barrier to collaborate!
- Changes in your own project may be needed as a result:
 - assess the need for an amendment within the consortium
 - Inform the S2R PM as soon as possible → JU assessment

Thank you for your attention



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