

# Minutes of Meeting – Sixth meeting of the Scientific Committee of Shift2Rail

## Shift2Rail

<b>Project:</b>	IP4	<b>Date/Time:</b>	5th April 2017, 10:00 – 15:30
<b>Meeting Type:</b>	Scientific Committee	<b>Location:</b>	White Atrium Building, Brussels
<b>Meeting Coordinator:</b>	Sebastian Stichel	<b>Issue Date:</b>	10/04/2017

Attendee Name ( <i>present</i> )	Initials	Organisation
Sebastian STICHEL	SS	SC Chairperson
Angela DI FEBBRARO	ADF	SC member
François LACÔTE	FL	SC Vice-Chairperson
Tatiana MOLKOVA	TM	SC member
Chris NASH	CN	SC member
Jana PIERIEGUD	JP	SC member
Christos PYRGIDIS	CP	SC member
Juan de Dios SANZ BOBI	JDDSB	SC member
Corinna SALANDER	CS	SC member
Mehmet Turan SÖYLEMEZ	MTS	SC member
William Bird	WB	EC
Torben Holvald	TH	EUAR
Carlo Borghini	CMB	S2R
Alessandra Berto	AB	S2R

### Meeting Agenda

1. Introduction and roundtable
  - Welcome from the Chairperson
2. Approval of the meeting Agenda and previous MoM
3. Conflict of Interest: declarations
4. State of play – information from the Shift2Rail JU
  - Latest developments, ongoing activities followed by an exchange of views
5. Follow-up of discussions in ERRAC on the SC role
6. Update on the status of the Multi Annual Action Plan (MAAP)
  - SC input
7. Update on the status of the Annual Work Plan (AWP) 2018
  - SC input
8. Calendar of the SC and S2R activities and discussion on SC initiatives on long term strategy for rail research
  - SC input
9. Annual activity report (AAR) 2016
  - Presentation
  - Advise on the scientific and technological achievements described in the annual activity report
10. Feedback on the lighthouse projects review and annual review for CFM 2015-2016

11. Prize for papers and/or new TRA competition, Innovation Days
12. AoB and conclusions
  - Next steps and date of next meeting

### Summary of Meeting

Topic	
Item 1	<p><b>Introduction and roundtable</b></p> <p style="text-align: center;"><i>Welcome from the Chairperson</i></p> <p>The Chairperson, Mr Stichel, welcomed the participants at the sixth meeting of the Scientific Committee (SC). A roundtable of presentations followed.</p>
Item 2	<p><b>Approval of the meeting Agenda and previous MoM</b></p> <p>No comments were received on the minutes of the previous meeting and these were approved. The SC members agreed on the draft agenda, as circulated on 15th March 2017 (Annex I) without comments.</p>
Item 3	<p><b>Conflict of Interest: declarations</b></p> <p>The declarations for Conflict of Interest (CoI) were circulated and signed. Mr. Stichel pointed out that Mr. Iwnicki anticipated the declaration via email.</p>
Item 4	<p><b>State of play – information from the Shift2Rail JU</b></p> <p style="text-align: center;"><i>Latest developments, ongoing activities followed by an exchange of views</i></p> <p>CMB presented the latest developments related to the S2R activities detailed in the annexed slides (Annex III), focusing on the following points:</p> <ul style="list-style-type: none"> <li>- Porto and Mino Universities have jointly 12 PhD students whose research should be compliant to S2R Master Plan &amp; MAAP. In general, the idea to finance PhD studies related to S2R can be explored, also with European Research Council. In addition, some spin-off from these universities are performing interesting R&amp;I railways related.</li> <li>- The 2017 Call is just closed and S2R will ensure that 2017 projects' implementation will start on time, i.e. not later than 1 Sept 2017. The number of proposals received for the Call 2017 is satisfactory, in particular for OC covering the double than the budget available</li> <li>- Lighthouse Projects' reviews is almost complete but for IT2RAIL for which there is an administrative issue to be solved by the Commission</li> <li>- Projects launched in 2016 are ongoing and the CFM will be subject to review during the second half of April.</li> <li>- AAR 2016 has been sent and some comments received.</li> <li>- All 2016 Budget appropriations have been committed and used.</li> <li>- The JU is satisfied with the high interest in TRA 2018; 25 abstracts have already been submitted and 10 are under preparation. 14 Quick-Wins were proposed for demonstrations at InnoTrans 2018, comprehending: virtual coupling remotely controlled from Berlin (in some aspects); "Careful Monster" proposal integrating research in IP1 and IP5; connecting labs to simulate scenario for zero on-site testing in IP2; IP4 to provide apps to use public transport of Berlin during InnoTrans; some visuals and concepts explanations also additionally presented.</li> <li>- Considering the projects related to standardisation and KPIs need to accelerate in order to provide short-term results, the JU decided to provide specific support to them. The presentation on KPIs will be circulated</li> </ul> <p>Mr. Stichel raised a question on the S2R mid-term evaluation. Mr. Bird explained that H2020 and JUs</p>

	<p>evaluations run separately. Inside the Commission, they keep coordination between DG Move and DG Research on the process for S2R, SESAR, and other transport research; the Commission will be consolidating JUs/JTIs' evaluations, first expert reports expected to be finalised by end of June.</p> <p>CMB recalled that the current H2020 framework does not always appear meeting the needs of instruments such as JUs and JTIs. Beyond 2020, taking into account the input of the mid-term evaluations and the contribution of the SC, SRG and Members there is a need to ensure that blue-sky research, applied research and demonstration activities are duly addressed through the most adequate involvement of different parties. He stressed the need to open competition, equal treatment and transparency that already today drive the S2R partnership.</p> <p>Updates on the S2R Cooperation Tool and S2R Website were presented. It was explained also that a meeting is foreseen in May 2017 with Fuel Cells &amp; Hydrogen JU to identify common paths and create synergies. In addition, the JU, together with the Commission, will meet the Cybersecurity PPP for programme synergies in the context of cybersecurity.</p>
Item 5	<p style="text-align: center;"><b>Follow-up of discussions in ERRAC on the SC role</b></p> <p>Mr. Stichel presented the background on ERRAC situation and their request for collaboration and support from S2R SC. Mr. Stichel explained also that ERRAC request stems from the current situation where there is no specific funding to support their activities; in terms of extent of the work, at this stage there are no specific indications.</p> <p>A discussion followed between the SC members. On the one hand, some SC members highlighted the risk of possible conflict of interest, additional undefined workload, different role of ERRAC vs the JU, different overall timeframe and also the financial aspect. On the other hand, some SC members, considered that there is no specific conflict of interest and that, although in the context of a different timeframe and objectives, there would be value of having the S2R JU SC contributing to ERRAC.</p> <p>CMB indicated that, given the role of ERRAC which is a platform for railway research looking at/beyond 2050, he does not see specific risks in terms of CoI but on the contrary the possibility for a coherent approach to R&amp;I in railway. While ERRAC mandate goes beyond S2R scope, S2R will be instrumental to achieve the ERRAC R&amp;I strategy also beyond 2020.</p> <p>Mr. Bird underlined the complementarity of the bodies, ERRAC being related to independent view on railway research on the long term, and the need to use existing resources to ensure that the process goes on, not having same financing basis of other sectors' platforms. He underlined that complementarity, co-modal transport, technology transfer are key.</p> <p><b>Based on the exchange of views concluded the following:</b></p> <ul style="list-style-type: none"> <li>- <b>at this stage, each member of the SC may consider at personal level to contribute to the work of ERRAC</b></li> <li>- <b>with the agreement of S2R – confirmed by CMB – as far as possible the meeting of the ERRAC Scientific representatives will be back to back to the SC and/or may also be supported by S2R through specific invitation to the interested SC members to attend ERRAC</b></li> <li>- <b>priority is given to support S2R JU in a key moment, such as the revision of the MAAP, the AWP2018, etc.</b></li> <li>- <b>the situation will be re-assessed in the future</b></li> <li>- <b>the present conclusions, once agreed the minutes, will be transmitted by the ED to the co-chairs of ERRAC.</b></li> </ul>
Item 6	<p style="text-align: center;"><b>Update on the status of the Multi Annual Action Plan (MAAP)</b></p> <p style="text-align: center;"><i>SC input</i></p> <p>CMB and Ms. Berto presented the update on the MAAP status and activities and Mr. Stichel the SC input (see presentation enclosed Annex II, III).</p>

	<p>SC members will be asked to provide their input, in particular for the Part A, after receiving the first draft materials after April.</p> <p>Mr. Stichel supported the proposed approach of using the “Capabilities” to define R&amp;I areas, including what is needed for long-term approach, fitting in S2R Programme rather than developing a new one. CMB underlined the importance of interoperability as a key capability to build the railway system of the future. Mr. Nash appreciated this opportunity to influence the direction of R&amp;I.</p>
<p>Item 7</p>	<p style="text-align: center;"><b>Update on the status of the Annual Work Plan (AWP) 2018</b></p> <p style="text-align: center;"><i>SC input</i></p> <p>CMB and Ms. Berto present the calendar for the AWP 2018 (see Annexe III of the attached presentation). Mr. Stichel indicated that the SC comments were provided to the JU.</p> <p>Mr. Nash raised a comment with reference to SPDs, seen as actually very theoretic, not sufficient to cover all the sector and with interrelations among each others; CMB explained that a discussion took place during the last SIWG and is still ongoing. Mr. Nash underlined the importance of business cases, even given actual budget constraints.</p> <p>Ms. Berto reported a discussion from the CCA SteCo on 4<sup>th</sup> April on the possibility of postponing some stream(s) within the topics, especially for OCs.</p> <p>CMB explained that the AWP 2018 will be finalised by July and circulated to GB just before or after the summer break.</p> <p>It was agreed to set a date for SC / IP Coordinators face-to-face meeting back-to-back with the next IPs; the same is planned for SRG.</p> <p>Mr. Sanz Bobi suggested to add/ensure information and proper reference on projects acronym, which are mentioned in OC. CMB showed the revamped S2R website with all projects listed and the dedicated sections, contact forms to projects coordinators explaining also that in the future the public deliverables of CFM projects will be published directly in the projects sections through the Cooperation Tool.</p> <p>Mr. Soylemenez presented a forthcoming Symposium, the JU agreed to add it in S2R calendar events and retained the brochure; a brochure from S2R will be sent to Mr. Soylemenez as well.</p>
<p>Item 8</p>	<p style="text-align: center;"><b>Calendar of the SC and S2R activities and discussion on SC initiatives on long term strategy for rail research</b></p> <p style="text-align: center;"><i>SC input</i></p> <p>Mr. Stichel reviewed the actions agreed during the last SC meeting and open the discussion among SC members on the long term view, commenting on what is already present in the documents and what is missing, recalling also the request from ERRAC.</p> <p>Mrs. Salander recalled the Capabilities as a good approach to ensure alignment with ERRAC and MAAP and to enter more in the MAAP review process and core and influence the future research. Members agree and Mr. Stichel stated that MAAP is a document already mature.</p> <p>CMB stressed the importance of the role of SC in the development of MAAP, other documents and some business cases and explained that MAAP will be preparatory basis for discussions of S2R 2 and should be ready by GB meeting in October.</p> <p>Mr. Bird promotes focus and scientific justification, or gap analysis, for long term vision and ideas in MAAP. Mr. Lacote expresses the need of a clear vision on S2R 1 and a feedback on comments to provide others for</p>

	<p>S2R2. CMB stated that the first results are foreseen for the end of the year 17 with the Lighthouse Projects and by the half of next year for S2R projects, in line with expectations. It is explained and agreed that MAAP part A will be ready by end April and circulated after for comments from SC/SRG/ etc which will be expected before the summer.</p> <p>CMB underlined the importance of AI developments on technology and of leading the developments for future mobility of passengers and freight, to push on business cases, risk management and explained that actually there is work to be done to pave the way to the market uptake of the programme results. Actually the JU is working on standards alignment and adding 'IPx' topics to the call for proposals to promote the research on new technologies.</p> <p>Mr. Stichel finalized the review of the actions list from the previous meeting. He concluded that the initial proposal to deliver a SC vision on the railway system will be initially channelled through the contribution to the MAAP and future work further reassessed.</p>
Item 9	<p><b>Annual activity report (AAR) 2016</b> <i>Presentation</i> <i>Advise on the scientific and technological achievements described in the annual activity report</i></p> <p>CMB and Ms. Berto presented the AAR 2016 process and and Mr. Stichel the first comments received from the SC members (please refer to the annexed presentation). It was clarified that final comments are expected by <b>SC by the end of April</b>.</p>
Item 10	<p><b>Feedback on the lighthouse projects review and annual review for CFM 2015-2016</b></p> <p>Ms. Berto presented the annexed slides, explaining that the annual CFM project review will take place from the second half of April to the beginning of May, while the Lighthouse projects review took place in February for three projects out of four.</p>
Item 11	<p><b>Prize for papers and/or new TRA competition, Innovation Days</b></p> <p>CMB presented the annexed slides on Transport Research Arena - TRA and InnoTrans, praising the commitment of the Members in demonstrating the S2R expected results. He requested the SC members to encourage the abstracts submissions, as well, <b>by 24<sup>th</sup> April (extended deadline)</b>.</p>
Item 12	<p><b>AoB and conclusions</b> <i>Next meeting date</i></p> <p>Mr. Stichel recalled the proposal to set the next date of SC meeting side-by-side to ERRAC plenary and the other need to set it close to the next IPs/CCA SteCos in order to organise face to face meetings with IPs/CCA leaders in the same dates. Therefore the next meeting is agreed to be held on June 19.</p> <p><i>Minutes published on S2R website</i></p> <p>CMB proposed to publish the minutes of the SC meetings on the S2R website. All present SC members agreed.</p> <p>Replying to a question on the missing SC member call update, CMB confirmed that the selection process will start after the approval of the call from the GB, i.e. on 7 June 2017.</p> <p>Mr. Stichel recalled the main points raised during the meeting, resumed below in the 'Actions List' table.</p>

Action nr.	Action	Related Topic	Due date	Action Owner
1	Share KPI presentation	KPI	07.04.2017	JU
2	Provide AWP 2018 final comments	AWP 2018	24.04.2017	SC
3	Provide input on MAAP draft	MAAP	30.04.2017	SC
4	Inform ERRAC on SC position	ERRAC	April 2017	JU
5	Set dates for face-to-face meetings with IPs/CCA SteCo	face-to-face meetings	28.04.2017	SC
6	Symposium brochure shared and event added to S2R calendar in the website. S2R Brochures to be sent to Mr. Soylemenez.	Symposium	April 2017	JU/Comms
7	Minutes of SC meetings to be published on S2R public website	S2R website	April 2017	JU
8	Provide final comments on AAR 2016	AAR 2016	April 2017	SC
9	Promote participation of abstracts to TRA 2018	TRA 2018	24.04.2017	SC
10	Promote the research activity of S2R through special issues/editions in journals related to scientific research		Provide updates by next SC meeting	SC

### **Annexes**

1. Provisional Agenda 6th meeting SC (adopted) (Annex I)
2. 6th SC meeting presentation (Annex II)
3. MAAP Part A status (Annex III)
4. Consolidated comments of SC on AAR 2016, AWP 2018 (Annex IV)