

**DAY 1 – 29/3/2021 – PLENARY SESSION**

<b>TIME</b>	<b>WHAT</b>
8:30	<b>Opening of the Science Days ZOOM webinar</b>
8:45	<b>Opening of the Annual Science days and welcoming by Claire Chenu</b>
9:05	<b>A word from DG Agri, Marta Iglesias, DG AGRI</b>
9:15	<b>The relevance of sustainable soil management within the European Green Deal"</b> <ul style="list-style-type: none"> <li>- <b>Key note lecture by Luca Montanarella, Senior Expert, European Commission, JRC Land Resources Unit</b></li> </ul>
9:35	<b>How do these EC ambitions echo in the member states?</b> Why do member states need EJP SOIL to shape and accelerate customized soil policy and knowledge building? <ul style="list-style-type: none"> <li>- <b>Programme Owners on stage: Diego Intrioglio and colleagues</b></li> </ul>
9:55	<b>Advices and feedback from expert-outsiders: Looking at EJP SOIL's strategic goals...what challenges need to be tackled most urgently, what can be expected from EJP soil by the enterprises, by society, by academia ...?"</b> <ul style="list-style-type: none"> <li>- <b>Advisory board duo presentation by the chair Katharina Helming) and vice chair (Bram Moeskops)</b></li> </ul>
10:10	<b>DEBATE</b> Conclusion of part one: a <b>debate with a focus on policy</b> <b>Debaters:</b> all speakers from part one (Luca Montanarella, Programme Owners, Advisory Board) <b>Moderated</b> by Saskia Visser
10:40	<b>Break</b>
10:50	<b>An analysis from the EJP SOIL stocktakes:</b> Highlights, trends, urgent matters, , ... and how the roadmap is dealing with the identified knowledge gaps <ul style="list-style-type: none"> <li>- <b>Presentation by Saskia Keesstra</b></li> </ul>
11:20	<b>Break</b>
11:25	<b>Project pitches</b> Call one off the starting blocks: <b>10 projects filling some holes in the road</b>
12:10	<b>FINAL DEBATE</b> Where do the expectations we heard in the first part meet the reality of progress in the scientific & funding field? Are the scientist on track and in line with societal and policy needs? <b>Debaters:</b> <ul style="list-style-type: none"> <li>- Claire Chenu, EJP SOIL programme coordinator</li> <li>- Thierry Caquet, Vice chair of EJP SOIL Board of Programme owners</li> <li>- Marta Iglesias, Representative from DG Agri</li> <li>- Teresa Pinto Correia, Representative from the Mission Board on Soil Health and food</li> </ul> <b>Moderator:</b> Saskia Visser
12:55	<b>Wrapping up of plenary day</b>

**DAY 2 – 30/3/2021 – BREAK-OUT SESSIONS on the topics of the first internal call projects**

<b>TIME</b>	<b>WHAT</b>
9:00	<b>Plenary welcome and practical information about the break-out session</b>
9:10	<b>First group of parallel break-out sessions</b> <ul style="list-style-type: none"> <li>- CarboSeq: <b>Carbon sequestration potential of European agricultural soils</b></li> <li>- INSURE: <b>Wet management of cultivated peatlands a sustainable land use option for peat soils</b></li> <li>- SOMMIT: <b>Towards a sustainable agriculture: strategies for minimizing GHG emissions and enhancing soil C sequestration</b></li> <li>- SensRes: <b>Sensor technologies for downscaling soil maps</b></li> </ul>
10:40	<b>Break</b>
10:50	<b>Second group of parallel break-out sessions</b> <ul style="list-style-type: none"> <li>- TRACE-Soil: <b>Trade-offs between soil carbon sequestration, greenhousegas emissions and nutrient losses in agricultural soils across Europe: mechanisms and management options</b></li> <li>- STEROPES: <b>Earth remote observation of soil carbon: recent premises</b></li> <li>- SCALE: <b>Managing Sediment Connectivity in Agricultural Landscapes for reducing water Erosion impacts</b></li> <li>- SIREN: <b>Stocktaking for agricultural soil quality and ecosystem services indicators and their reference values</b></li> <li>- CLIMASOMA: <b>Publication bias in soil science and agronomy: impact on our vision on soil as climate adaptation tool?_</b></li> </ul>
12:20	<b>End of second day</b>

**DAY 3 – 31/3/2021 – BREAK-OUT SESSIONS on the topics of the second internal call topics**

<b>TIME</b>	<b>WHAT</b>
9:00	<b>Plenary welcome and practical information about the break-out session</b>
9:05	<b>An update on soil data conclusions from the long term monitoring programmes in the EU by Tommy D’Hose</b>
9:10	<b>First group of parallel break-out sessions</b> <ul style="list-style-type: none"> <li>- CM1: Plant below-ground inputs to enhance soil carbon sequestration in agricultural soils</li> <li>- CA4/SP3: Contribution of soils to climate mitigation and adaptation, sustainable agricultural production and environment in agroecological systems</li> <li>- SP1: Alleviating soil compaction in a climate change context</li> <li>- INDICATORS2/SE4: European soil biodiversity forecast toward resilient agroecosystems in response to climate change</li> </ul>
10:40	<b>Break</b>
10:50	<b>Second group of parallel break-out sessions</b> <ul style="list-style-type: none"> <li>- CM5: Effects of the soil biome on the persistence SOC storage and its drivers</li> <li>- SP2: The use, processing and application of external sources of organic matter to mitigate climate change and improve soil health</li> <li>- DATA1: Innovative techniques to monitor SOC stocks and soil degradation/ restoration changes in the EU, using spectral systems/ NIRS/ MIRS and other proximal sensing tools</li> <li>- POL2/ES7: Enabling conditions for climate smart and sustainable soil policy: fair and functional payment systems for ecosystem services related to climate</li> <li>- SE2/INDICATORS1: Modelling soil functions and soil threats for mapping soil functions and ecosystem services</li> </ul>
12:20	<b>Plenary closing session</b> <ul style="list-style-type: none"> <li>- What are the conclusions, identified knowledge gaps and next steps?: interview with representative from each break-out session on second internal call topics</li> <li>- How does the feedback from the sessions stand compares to knowledge gaps and research needs that were already identified?: Dialogue with Sophie Zechmeister</li> <li>- Closing speech by Claire Chenu</li> </ul>
13:15	<b>End of the first Annual Science Days</b>