European Forum for
Studies of Policies
for Research and Innovation

Eu-SPRI Forum

Annual Report 2020

Contents

Eu-SPRI 2020 in a Nutshell: Message from the President

Dear Reader,

The **European Forum for Studies of Policies for Research and Innovation** (Eu-SPRI) Forum, aims to strengthen the vibrant but dispersed community of researchers who focus on interdisciplinary dimensions related to policy and governance, in the field of knowledge creation and innovation. Studies of Policies for Research and Innovation (SPRI), has been a growing field of research since the late 1960s; evolving at the encounter of economics, political science, sociology, Science and Technology Studies, STS, business administration, geography and history.

The Eu-SPRI Forum was founded in Paris in June 2010 by eleven organisations. As of 31st December 2020, our Forum had nineteen full members and one associate member. In 2020, we were delighted to welcome one new member organisation - Rathenau Institute. This takes the number of full member organisations to ninetee and signifies the continuing attractiveness and relevance of the association.

This was a difficult year for Eu-SPRI members in terms of scheduled events and activities. Several scheduled activities had to be postponed and re-organised to be delivered as virtual events. Nonetheless, as in previous years, in 2020 the Eu-SPRI Forum carried out a number of activities to accomplish the network's three key missions: to structure the field of SPRI Studies, to nurture the next generation of scholars and experts in our field, and to explore new horizons.

Our main **community building event,** the Annual Conference, scheduled to be held in Utrecht in June 2020, was unfortunately cancelled due to the pandemic. Some of the themes did go ahead independently and ran sessions on-line but this was outside of the annual conference framework.

In advancing our mission to nurture the **next generation**, we held one **Early Career Researcher Conference.** This conference was originally planned by Ingenio CSIC-UPV to be held in Valencia in April but had to be postponed due to the pandemic. It was rearranged and held virtually December 14-16th 2020 on the topic of *Innovation and research agendas: between policy priorities, societal challenges and academic autonomy*. Annex 1

Two **Early Career Research Training Schools** were held in 2020. The first was a virtual workshop organised by Utrecht and held on the 2nd June on the theme of *Studies of Policies for Research and Innovation: State of the art and future directions.* Annex 2.   The second was a winter school on *Technology, Policy, and Pathways to Possible Worlds Imagining Year 2050 Now*. This was described as a mini course, online event (via Zoom) and was delivered by the Science and Technology Policy Unit (SPRU) – University of Sussex on Friday, 4th December 2020. Annex 3

Our **Early Career Researcher mobility scheme** continues to attract participation although most of these planned visits have had to be postponed due to the pandemic. In 2020 we awarded grants for eight ECR/PhDs from four member organisations to undertake research

visits. Nine member organisations participated in the scheme either as home or host institution. Most of the visits are still to go ahead and we are awaiting the alleviation of pandemic restrictions before these can take place. Annex 4

In 2017 first steps were taken to explore new **global co-operation with neighbouring networks to influence global policy agendas**. Our focus in 2020 has been to further coordinate activities with the Transformative Innovation Policy Consortium. This resulted in the publication of a joint working paper "*Towards a Transformative Innovation Policy (TIP) Research Agenda*" in autumn 2020[1]. These activities also led to a new initiative planned for January 2022, a conference titled *Building a sustainable knowledge infrastructure for Transformative Innovation Polic*y. The TIPC conference is an example of the interaction with another community where we maintain the visibility and engagement of Eu-SPRI.

The programme for **future EU SPRI initiatives** continued in 2020. With three separate working groups we developed three initiatives that emerged from the special General Assembly held in December 2019. These groups focus on (1) further training activities, (2) stakeholder engagement and (3) linking up with domain experts from other fields. To that end we organised a further virtual workshop of the General assembly working groups in December 2020, to review proposals from the three working groups and to agree which ideas are taken forward. Annex 5

New initiatives conceived in 2020 and now implemented from the group work are an Eu-SPRI Early Career Researcher (ECR) Webinar Series, which has started in 2021. This is a new online format for ECR to present and discuss their work with senior colleagues as commentators (training). We have also started to set up an advisory board (stakeholder engagement).

Professor Dr. Jakob Edler continued his term of office as President of Eu-SPRI. The Secretariat was run by the Manchester Institute for Innovation Research (MIOIR) at Manchester University throughout the year. The Secretariat is managed by Deborah Cox with support from Holly Crossley and Wendy Walker.

On behalf of all Eu-SPRI members we should like to thank all colleagues who have supported the Forum, through taking initiatives, serving on the Executive Committee, organising and supporting events, sending and receiving ECR/PhD students, contributing to the exciting academic debate in our field and supporting EU-SPRI through difficult times. With Covid, the cancellation of our flagship conference and a *de facto* halt of our mobility scheme, this has been a particularly challenging year for many colleagues and for our association. However, the crisis has made us inventive and shown that we are a strong network. We greatly appreciate the additional efforts made by Eu-SPRI members to maintain - and even improve - the life and activity of the Forum.

Jakob Edler, President
Deborah Cox, Secretariat

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[1] https://www.tipconsortium.net/publication/towards-a-transformative-innovation-policy-tip-research-agenda-2/

Organisation

The Eu-SPRI Forum is a not for profit association (French law) founded in Paris in June 2010 and is funded by the annual contributions of its members.

The Eu-SPRI Forum is governed by the Assembly of its full members meeting once a year and is managed by an Executive Committee. The ninth session of the Forum started on 7th June 2020.

Full members (as of June 2021) are:
- Université Paris-Est, Institut Francilien Recherche Innovation Société (IFRIS), founding member.
- Copenhagen Business School (CBS), founding member.
- University of Twente, Institute of Innovation and Governance Studies (IGS), founding member.
- Instituto de Gestión de la Innovación y el Conocimiento (INGENIO), Instituto de Políticas y Bienes Públicos (IPP) CSIC, founding member.
- Institute of research on economic sustainable growth, IRCrES-CNR, founding member.
- Politecnico di Milano, Dipartimento di Ingegneria Gestionale, founding member.
- AIT, Austrian Institute of Technology, founding member.
- CIRCLE, Lund University, Sweden, founding member.
- Manchester Institute of Innovation Research, AMBS; The University of Manchester, founding member.
- NIFU, Nordic Institute for Studies in Innovation, Research and Education, Norway (accepted on 27 October 2010), founding member.
- Fraunhofer Institute for Systems and Innovation Research, ISI, Karlsruhe, Germany, since academic year 2011/2012.
- VTT, Innovation Systems and Innovation Policy (in collaboration with) Helsinki Institute of Science and Technology Studies, HIST, since academic year 2011/2012.
- Innovation Studies, Copernicus Institute of Sustainable Development, Universiteit Utrecht, since academic year 2011/2012.
- TIK, Centre for Technology, Innovation and Culture, University of Oslo, since 2013.
- SPRU - Science Policy Research Unit (University of Sussex), since 2015.
- TNO Netherlands Organisation of Applied Scientific Research, Expertise Group Strategy and Policy, since 2016.
- Autonomous University of Madrid (UAM) and Accenture, re-joined 2017
- Sozialforschungsstelle Dortmund ZWE der TU-Dortmund, joined 2018
- Rathenau Institute joined 2020

Associate member:
Helsinki Institute of Science and Technology Studies (HIST) in collaboration with VTT, since academic year 2011/2012.

General Assembly
The ninth General Assembly (GA) was a virtual meeting, held over Zoom on 3rd June 2020.

Executive Committee Members 2020/21

President From 2016 (ExCo member from 2010)	Jakob Edler	Fraunhofer ISI and Manchester Institute of Innovation Research, AMBS; The University of Manchester
Vice President from June 2016 (ExCo member from 2014)	Gaston Heimeriks	Innovation Studies, Copernicus Institute of Sustainable Development, Universiteit Utrecht
Treasurer from June 2010	Philippe Larédo	IFRIS (Paris) and Manchester Institute of Innovation Research, MBS; University of Manchester
ExCo Member from 2019	Susana Borrás	CBS, Denmark
ExCo member from June 2019	Emanuela Reale	IRCrES-CNR, Italy
Ecco Member from June 2016	Matthias Weber	AIT, Austria
ExCo member from 2019	José Guimón	UAM, Spain

In June 2020, the General Assembly re-elected Jakob Edler as **President of the Forum** for one further year. Matthias Weber was re-elected to the Executive Committee (ExCo). The Executive Committee held 6 meetings in 2020. These were held at regular intervals in January, March, June, September, November and December and all were conducted by Skype/Zoom.

Eu-SPRI Treasurer is Philippe Larédo, IFRIS.

Eu-SPRI Forum Secretariat
The Eu-SPRI Forum Secretariat is managed by **Deborah Cox,** from The University of Manchester.

Communication

Eu-SPRI Forum website
The website is currently located at http://www.euspri-forum.eu/ and it is updated regularly by Manchester who took over the Secretariat in November 2016. We are currently seeking support for the website content production and upload of that content to the site. In 2020 we set up a YouTube channel that is accessed from the website. Members are encouraged to provide high quality digital content from their events to populate the channel.

Eu-SPRI Forum List servers
Eu-SPRI Forum has 2 list servers:
Eu-SPRI-NEWS for news items of general interest and Eu-SPRI-INFO, a discussion list for Eu-SPRI Forum members only.

Eu-SPRI Forum Twitter account

In 2020 we set up a Twitter account. This can be found at
https://twitter.com/Euspri_Forum. All Eu-SPRI members are invited to follow us on Twitter for the latest news and updates. The Twitter feed has 417 followers (at the time of writing).

Eu –SPRI Forum Activities

Eu SPRI Forum Calls for proposals
One call for Proposals for Early Career Researcher Conferences (ECC) was launched in December 2020 with a deadline of 31st March 2021. There is an open call for ECRs on the website and member organisations can currently apply outside of the call deadlines.

An open Call for Proposals for Early Career Research Training Schools (ECS) was issued in September 2020. The Eu-SPRI Forum has an open call to all Member Organisations for the hosting and organisation of Early Career Researcher and Doctoral Researcher Training Schools.

Member organisation are encouraged to organise events on-line during the pandemic.

Eu-SPRI Early Career Researcher Conferences (ECC)
One early career conference was held in 2020.

A virtual ECC conference was organised and delivered by Ingenio CSIC-UPV, December 14-16th 2020. The topic was *Innovation and research agendas: between policy priorities, societal challenges and academic autonomy*. Annex 1

Future ECCs
An ECC is scheduled by AIT/LISIS for October on *Transformative Innovation Policy: Concepts, Methods and Policy Practices*. It will be held in Paris, France in October 2021 if pandemic conditions allow.

Early Career Research Training Schools (ECS) in 2020
As previously agreed we decided to host a series of complementary schools to offer a coherent and coordinated programme.

Two Early Career Research Training Schools were held in 2020

- A virtual workshop on the topic of *Studies of Policies for Research and Innovation: State of the art and future directions* was organised by Utrecht, 1-2 June 2020. The full report is available to read in Annex 2.

- *Technology, Policy, and Pathways to Possible Worlds Imagining Year 2050 Now.* Science and Technology Policy Unit (SPRU) – University of Sussex Friday, 4th December 2020 – Online event (via Zoom) Annex 3

The following member organisations have committed to hold future training schools:

- Utrecht University (Summer 2021)
- Lund University
- University of Oslo
- University of Twente in partnership with University of Manchester and Fraunhofer ISI

Eu-SPRI Forum ECR & PhD Circulation awards
Selection of ECR & PhD circulation awards is determined by Kate Barker.

In 2020 the normal schedule of calls for the ECR/PhD researcher circulation scheme was disrupted. One call was issued in 2019 with a deadline of 31st March 2020 (28th call). On June 3rd the ExCo decided that due to the pandemic the June call with the September deadline would be postponed (29th). Nonetheless, in anticipation of the normal call schedule two candidates expressed interest, applied and were awarded subject to being able to undertake the visit. A call was issued in September with a deadline of November 11th conditional to actually being able to travel (30th call). Payment is made only when the ECR/PhD researcher is in place on the visit.

See Annex 4 for details of the 8 successful candidates.

Eu-SPRI Forum Annual conferences
10th Annual Conference scheduled to be hosted by Utrecht was cancelled due to the pandemic.

The 11th Annual Conference organised by the University of Oslo/TIK & NIFU will be a virtual conference. The theme of the conference is *Science and innovation – an uneasy relationship? Rethinking the roles and relations of STI policies.* It will be run from Oslo June 9-11th, 2021. The conference website is https://www.euspri2021.no

10th anniversary events scheduled for the Utrecht conference have been moved to Oslo 2021.

Annual conference 2021-2023
The table below shows an agreement for the allocation of expression of interests for the next three years. These expressions are not binding for the proposers and for the ExCo until the proposers have formally submitted a full proposal following requests by the ExCo nearer to the time.   The Oslo conference is to be held on-line due to the pandemic.

Host	Theme	Year
Univ. Oslo/TIK & NIFU	Science and innovation – an uneasy relationship? Rethinking the roles and relations of STI policies	2021
Utrecht	To be decided	2022
SPRU, Brighton	Innovation Policy for Transformative Change	2023

Eu-SPRI Book series with Edward Elgar

The Edward Elgar Eu-SPRI series aims at promoting forefront research in the field of STI policy. An agreement for Eu-SPRI Book series with Edward Elgar was signed in 2013.

Annex 1: Innovation and research agendas: between policy priorities, societal challenges and academic autonomy

Organised by INGENIO CSIC-UPV, December 14th-16th 2020

Conference goals and context

The main theme of the conference 'PhD Days 2020' was current approaches and controversies around the purposes and objectives of research and innovation (R&I). The conference built on the rise of normative concepts in science and innovation policy and practice. The need to demonstrate scientific impact combined with pressure from policymakers that research addresses practical societal issues, poses new challenges for the governance of science and innovation. It challenges the notion that scientific research should be determined primarily by scientific logics and goals, and should be independent of external pressures.

The conference was planned to be held between the 22nd and the 24th of April 2020. The call for abstracts was launched in November 2019 and the deadline for submission was January 17th. The notification of acceptance was the 14th of February 2020. Due to the COVID pandemic, a series of changes were made to the event plan. It was decided to continue hosting the event, building on the progress made in the first quarter of 2020. The students whose abstracts had already been accepted were encouraged to go ahead with registration and payment, with the event planned to happen virtually between the 14th and the 16th of December.

The decision to adapt the conference into a virtual conference drove us to re-think and re-design the event. The organising team opted for the use of active and participatory methodologies, which facilitated interaction between participants, energised scholarly activities and promoted the exchange of knowledge. To support us with this task, the Organising Committee requested professional support from a consultancy specialised in these matters, not only to assist with technical issues, but also to offer expertise on effective networking in online events and the creation of online communities.

Conference Themes and Streams

The central discussions of INGENIO PhD Days 2020 revolved around the current orientation within science and research policy toward meeting goals decided *a priori* by policymakers. This involved consideration of emerging concepts such as 'missions', 'directionality' and the 'alignment' of science and society. It also involved reflections on the implications of involving external stakeholders in the production of scientific knowledge and on the modes of interaction, techniques and methodologies that further the goal of expanding participation in science.

The contributions of the doctoral students were in line with five proposed lines of research: (1) Orienting science and innovation towards political and societal goals: implications and strategies, (2) Factors affecting academic knowledge production (3) Analysis of interactions

among diverse actors in innovation systems, (4) Impacts of developments at the technological frontier and how to manage them.

Organisation and Structure

Before deciding to continue with the organisation of the online event, the organizing team considered the need to hire professionals who knew about participatory methods and virtual networking, consequently they partnered with TEJEREDES.
The total team for this event was 13 people: 8 people from INGENIO and 5 people from Tejeredes.

The conference was structured into two plenary sessions, two workshops and 7 parallel sessions for the presentations of PhDs and Early Career researchers.
The conference hosted two keynote speakers:

- Molly Morgan Jones. Director of Policy. The British Academy.
- Ohid Yaqub. Senior Lecturer Science Policy Research Unit (SPRU) at the University of Sussex.

There were two workshops

- *Searching for the research problem – research method fit,* by Ferran Gionés
- *How to prepare and successfully face an international research stay?* by Nicolas Robinson.

In total, there were 39 people registered to the event, 24 women and 15 men. From those, 14 participants were INGENIO PhD Students, 9 from Eu-Spri and 15 participants coming from institutions all over the world, with a predominance of European countries.
The event was supported by an excellent scientific committee, formed mostly by INGENIO researchers and colleagues who were experts on one of the 5 main lines/topics proposed for this edition. The chairs that moderated the parallel rooms were INGENIO's researchers and the organising team was formed by 6 PhD students from INGENIO.

To improve the communication process of the event, a list of activities was generated from the beginning. All the tasks were designed in such a way that the approach with which the event is built is reflected. Some examples of this approach are related to the values, the dynamics and the importance of networking.

After receiving feedback from workshop participants, chairs, presenters and audience and doing an internal evaluation session together with Tejeredes, we consider that the event, despite the difficulties of virtuality, has achieved its objectives. A space for work exchange has been created, the construction of a network of young researchers has been promoted and a space for presenters was built so their work could be discussed, receiving qualitative feedback and making the audience take part in the discussion. In addition, we have worked specifically with each group of participants for the event to develop in the best possible way. Pre-event sessions were held with the participants so that they knew the platform and technological applications that would be used, as well as with the Chairs of the sessions, keynote speakers and workshop participants so that the participatory methodology was implemented.

Link to the full report

Annex 2: Studies of Policies for Research and Innovation: State of the art and future Directions in Utrecht, 1-2 June 2020 (Early Career Training School)

Content: Originally we had planned a physical two-day event in Utrecht. The objective was threefold: paper development, networking and a foresight activity to insert the voice of early career scholars in the Eu-SPRI community. The results of this foresight activity would be presented at a plenary session of the main Eu-SPRI conference.

Due to Covid-19, the event was held fully online, via Zoom. We therefore opted to focus the early career workshop on paper development. The objective was for early career researchers to receive detailed and elaborate comments on their written work. The keynote address was aligned to this objective and focused on academic writing skills.

Programme: The meeting was held in the afternoon to enable the participation of early career scholars from India and Brazil. This was the program (in Amsterdam time):

13:00-14:00 Opening and keynote
We began the session with a few opening words by Koen Frenken, who welcomed the participants and introduced the objectives of the Eu-SPRI network. Next Magnus Gulbrandsen gave a very interesting keynote on academic writing. The title of his talk was "Academic writing: the good, the bad and the ugly".

14:00-16:00 Breakout sessions
At 14:00 hours we split the group in 6 breakout sessions to discuss the papers of the early career researchers. The participants were asked to prepare comments for each of the papers in their session. The five senior discussants who provided feedback were Prof. Dr. Magnus Gulbrandsen (University of Oslo, Norway), Prof. Dr. Sally Wyatt (Maastricht University, the Netherlands), Dr. Wouter Boon (Utrecht University, the Netherlands) and the two organisers from Utrecht University: Prof. Dr. Koen Frenken and Dr. Koen Beumer. The papers were grouped thematically according to the expertise of the senior discussants

We devoted 30 minutes to each paper. As all participants in the breakout sessions had read the other papers, there was no need for the author to introduce the paper. Therefore the senior discussants started off with their comments right away, for about 5-10 minutes, followed by comments from the other participants and finally a response by the author and discussion.

Group 1: Rik Braams, Andreas Kopp, Franziska Ruef (discussant: Magnus Gulbrandsen)
Group 2: Amber Geurts, Jessica van Thiel, Jonas Torrens (discussant: Sally Wyatt)
Group 3: Igor Bueno, Laura Kreiling, Nick Matthews (discussant: Wouter Boon)
Group 4: Gisle Solbu, Ana Carolina Spatti, Paulina Terrazas, Keija Yang (discussant: Koen Frenken)
Group 5: Renee van Dis, Jongheon Kim, Nimita Pandey (discussant: Koen Beumer)

Our impression is that the discussions went very well. We briefly discussed the sessions with each of the senior discussants who had all enjoyed the session and each had received several emails by participants who expressed their gratitude.

16:00-17:00 Academic speed dates
We ended the day with some 'academic speed dates'. Besides paper development, the original objective of the early career workshop was to facilitate networking among early career scholars and to have a foresight activity where young scholars could formulate their views on the future of STI policy. The academic speed dates were introduced as a way to achieve these objectives, albeit in a more limited online form.

For this part of the program, we randomly assigned the participants to three different breakout groups of about 5-6 participants. The participants would meet for 10-15 minutes in these breakout groups in order to introduce themselves to one another and to jointly identify a research problem or theme for STI policy that the Eu-SPRI community may investigate. After 10-15 minutes, the breakout groups would be dissolved and new groups would be formed, again randomly assigned. In the last 15 minutes we had a plenary discussion where all the themes were gathered and discussed.

In this way, the participants had the opportunity to meet most of the other participants, especially those that were not already in their paper development session and we gained some insights into the views of early career researchers on the future of STI policy. Briefly, these were the new themes for STI policy research identified by early career researchers:

- Digital technologies in STI and STI policy
- (Economic) inequality in relation to STI
- Converging technologies and multi-technology challenges
- Connecting innovation policy to the field of public administration
- Moving from high-tech to low-tech innovation, in fields like health and agriculture
- STI policy implementation: moving from policy design to the implementation of these policies on the ground and the way these experiences are fed back to the policy level
- Missions and transformations: to what extend do these approaches succeed in bringing about new relations, incorporating new actors and reordering the STI system
- Implications of Covid-19: the role of engagement, bottom-up initiatives and uprooting and redrawing boundaries between the national, regional and international level.
- Opportunities of Covid-19 to re-address older topics like the role of the state, the role of expertise, controversies and hype cycles.

Participants
We received 40 applications for (originally) 18 places. We received submissions from all over the world, including the United States, Brazil, Columbia, South Korea, China, India, Iran and Europe. Participants were selected on the basis of their CV and a motivation letter. The selection criteria were the quality of the participants, Eu-SPRI membership, the fit with the Eu-SPRI objectives and the availability of a suitable paper. We selected 18 participants, two of whom later withdrew.These final participants included a wide number of (Eu-SPRI) SPRI institutions, countries, genders and topics.

Annex 3: Technology, Policy and Pathways to Possible Worlds Imagining Year 2050 Now. (Early Career Training School)

Science and Technology Policy Unit (SPRU), University of Sussex Friday, 4th December 2020, Online event (via Zoom)

This short course aimed to provide doctoral students and early-career researchers interested in the topics that fall within the remit of Eu-SPRI with an intensive training, focused on the intersection between innovation theory and scenario analysis. Six lectures explored how trends unfolding in different domains (environment, policy/institutional, economy/production) might lead to alternative futures and evolve under novel socio-techno-economic paradigms. This type of exercise has two main objectives: first, to invite scholars to think about the impact of technological change over the long durée (and therefore to develop research questions and projects of broad scope and ambition). Second, to induce a discussion about the multilevel nature of the impacts that (innovation) policies can produce, influencing not just short-term incentives (for example, the rate and direction of innovative activities), but also more slowly-changing but deeper patterns rooted in culture, institutional evolution and persistence over time, and distribution of power.

Technology, Policy and Pathways to Possible Worlds: Imagining Year 2050 Now

Imagine the year 2050, 30 years from today. What sort of world would this be: given the opportunities and challenges created by technological transformations?

During the Eu-SPRI Mini Course on 3rd December, 145 attendees, almost perfectly gender- balanced and from 34 different countries, considered this question.

The key theme was introduced by the course Directors, **Professor Ed Steinmueller** and **Dr Simone Vannuccini**, who referred to *possible worlds*. Professor Steinmueller noted that science and technology allow us to explore futures and, combined with individual initiative and agency, they have the ability to bring that better world into existence. The course featured six lectures by SPRU faculty, exploring how trends unfolding in different domains, such as environment, policy, and the economy, might lead to alternative socio-technical futures.

In *Post-Automation in the Making,* **Professor Adrian Smith** invited us to imagine more open futures compared to the cyber-physical systems of the Fourth Industrial Revolution. By looking to emerging practices on the industrious margins of capitalism, he posited that it might be possible to develop post-automation technologies with less of the historical emphasis on systems of control, and more in convivial relations of care.

Dr Marie Claire Brisbois, presented *Democracy or Disorder? The Far Reaching Implications of Decentralised Energy Transitions* and discussed how decentralised energy transitions

provide an opportunity to start shifting the political and economic dominance of big energy companies that focus on profit over people. If we are able to loosen the political stranglehold big energy has on our governments, any number of progressive social, environmental and economic policies are possible. See: No one can put the local energy genie back in the bottle now

Dr **Frederique Bone**'s presentation on *Mapping the Past to Inform Future Policies through Text Mining* discussed her recent work looking at the fourth technological surge and the emergence and diffusion of the principles related to mass production. She reflected on the potential offered by the digitisation of large newspapers and magazines and text mining techniques to study innovation through long periods of time. She also discussed the timing of the introduction of different mass production principles between 1850 to the 1990s, as well as differences observed when relying on different historical sources (technical magazines, newspapers or books).

Tackling the issue of *Data Value, Data Rights and Data Governance,* **Professor Maria Savona** emphasised that rethinking the governance of data means resolving the policy trade-off of maximizing high quality data sharing for public value, while protecting privacy and redistributing the value by giving agency and rights to individual data generators as a first step. See: Governance of Data Value

Professor Ed Steinmueller's presentation, *Four Worlds in 2050: Alternatives for a Sustainable Future?* outlined four 'world canvases' derived from different principles as to what might transform our world over the next few decades. A 'grow' world involving a fundamental re-orientation of fiscal priorities and technological choice in favour of sustainability. A 'collapse' world in which our current pandemic is followed by further crises that unravel globalisation and require localised and smaller scale production. A 'discipline' world in which a more sustainable future is obtained through vigorously enforced new formal rules and social norms. A 'transform' world in which unanticipated or barely anticipated new technologies greatly diminish our current existential challenges. These canvases were suggested as means to imagine and strive for change in the coming decades

Dr **Simone Vannuccini**'s talk, *(Technology) Policy in a novel landscape: Designing institutions for a 'Cyber-physical Universe'*, weaved together the different forces and dynamics that are shaping the current landscape – the 'cyber-physical universe' characterised by the blurring boundaries between the physical and the digital. As information technologies become the 'fabric of reality' he argued that policy design should step up to match these pervasive changes. Therefore, to think about possible futures means also thinking about fully-fledged institutional innovations capable of enveloping and nurturing the complexity of the cyber-physical universe – federalism as an institutional architecture is proposed as the candidate for such innovation.

In his final remarks, **Dr Adrian Ely,** highlighted the inescapable uncertainties associated with transformative technologies. He called for international partnerships (highlighting collaboration across Europe and further afield) and the imperative of bringing in new voices to the debate, including those from younger generations, such as the course's participants. *When you imagine the year 2050, what do you see?*

Annex 4: Early Career Researcher and PhD Circulation Scheme

Successful Candidates from Eu-SPRI Forum 28th, 29th and 30th calls for ECR & PhD Circulation
Note: the 29th call was not actually issued but three candidates sent in applications for the scheme and were assessed and awarded.

Summary Table: ECR and PhD Circulation 2020 Awards

Name of Applicant	Home Institution	Host Institution
28th Eu-SPRI Forum ECR & PhD Circulation call March 2020		
Eva M. De La Torre	Autonomous University of Madrid (UAM), Spain	Science Policy Research Unit (SPRU), University of Sussex, UK
José Luis Medina	Autonomous University of Madrid (UAM), Spain	Manchester Institute of Innovation Research (MIOIR), The University of Manchester, UK
Mina Rezaeian	Manchester Institute of Innovation Research (MIOIR), The University of Manchester, UK	Copernicus Institute of Sustainable Development, Utrecht University, Netherlands
29th Eu-SPRI Forum ECR & PhD Circulation September 2020		
Issac Lemus Aguilar	Science Policy Research Unit (SPRU), University of Sussex, UK	Autonomous University of Madrid (UAM), Spain
Francois Perruchas	INGENIO (CSIC-UPV), Spain	Institute for Research and Innovation in Society (IFRIS), France
Molly Silk	Manchester Institute of Innovation Research (MIOIR), The University of Manchester, UK	University of Twente, Netherlands
30th Eu-SPRI Forum ECR & PhD Circulation call November 2020		
Immaculda Borrás	INGENIO (CSIC-UPV), Spain	Fraunhofer ISI, Karlsruhe
Arthur Moreira	Science Policy Research Unit (SPRU), University of Sussex, UK	CIRCLE, Lund University, Sweden

Pending visits due to pandemic

Call	Name	Comments
27th	Sergio Segura-Calero	Delayed visit due to COVID
28th	Eva M. De La Torre	Delayed visit due to COVID
28th	José Luis Medina Bueno	Delayed visit due to COVID
28th	Mina Rezaeian Abrishami	Delayed visit due to being poorly - New dates pending
29th	Molly Silk	Delayed visit due to COVID
29th	François Perruchas	Started visit virtually due to pandemic - New dates pending
30th	Inma Aleixos	Visiting in August - October 2021 (or in 2022)

Annex 5: Future Actions for the Forum

Summary of a General Assembly Working Group, Workshop proposals 10-11th December 2020

A two half-day virtual workshop on 10/11th December 2020 attended by representatives of Eu-SPRI member organisations discussed plans for future actions for the Forum. A brief summary is presented below.

Working Group: Stakeholder engagement
Proposed:-
To create a Stakeholder Advisory Board (AB).
The co-creation of the setting up of the AB should be achieved by the ExCo and the AB members.
The AB should be comprised of individuals not institutions.
No change in the Governance of Eu-SPRI is required.
The ExCo should be in charge of the nomination of the AB members. Members can suggest people who can be on the AB.
Eu-SPRI has to be committed to the Advisory Board. Ad hoc teams will be responsible for the provision of content for the AB discussions.
The duration and function of the AB should follow the same rules as the ExCo to ensure sustainability and novelty of the AB.

Agreed
The AB cannot influence the research agendas of the individual institutes they can only make suggestions about our Eu-SPRI collective activities. Some expectation management is essential.
The degree of influence that should be given to the AB is a topic to be agreed by a working group in Eu-SPRI and the AB. The scope of influence is the decision of the Eu-SPRI to set the limits.
The co-creation process could tackle topics of core research agendas and could not only be confined to some limited definitions of topics for a conference, it could also be a real discourse. The objectives for the Board should be co-designed in a manner that one can work towards the objectives being set. Some firm and clear objectives should be set for the Board.
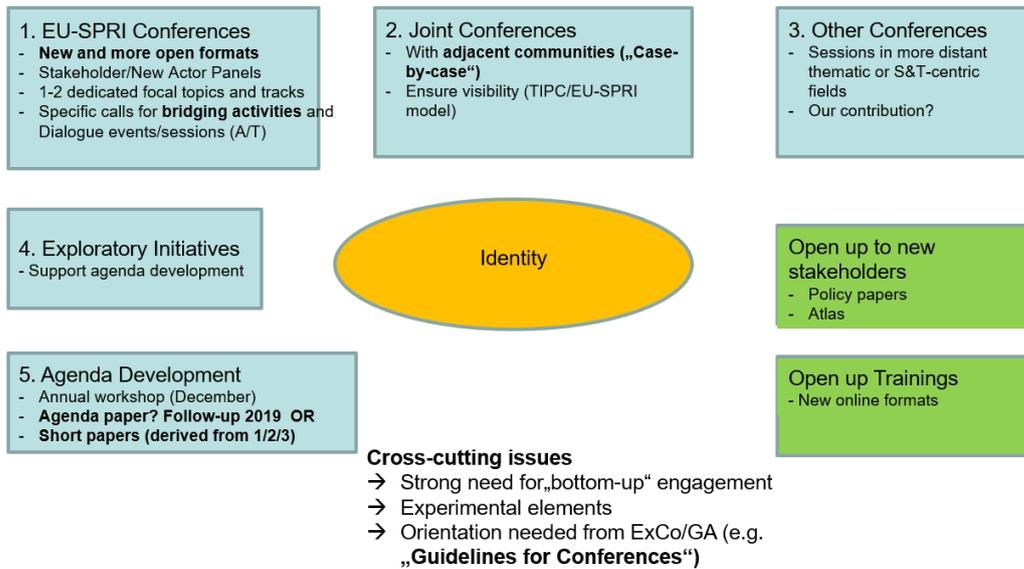Further engagement with AB members such as involving them in conferences and training groups is desirable.
A relationship with an Advisory Board will change the work of Eu-SPRI because we will reflect more due to this interface.
The ExCo will take forward the proposal for the formation of an Advisory Board.

Working Group: Understanding Innovation and engagement with experts with domain specific knowledge

A slide of ambitious proposed ideas was presented. This is shown below.

Priorities emerging and shown on the slides:

New and open formats for Eu-SPRI conferences

Specific calls for bridging activities and dialogue events/sessions at the conferences

Joint conferences with adjacent communities

Eu-SPRI sessions in other conferences

Eu-SPRI agenda development through an annual workshop, resulting in an agenda paper or short papers

Opening up to new stakeholders and opening up of training activities.

Bottom up engagement of Eu-SPRI members to facilitate engagement with experts at the Eu-SPRI level.

Some of the Key questions arising are:

What are the kinds of communities we need to better connect with?

Are we clear enough about our own identity?

How can we ensure the visibility of Eu-SPRI?

There should be some agenda between our Eu-SPRI scientific agenda and the topics we discuss with the Advisory Board.

The exploratory initiatives could help us specify in advance our internal agenda. The other two working groups are clearly linked into the picture presented above.

Agreed

Engagement with experts with other domain specific knowledge is a great idea. We should progress the agenda development through some agenda papers. More on-line training and courses for younger people should be delivered.

For joint conferences we should select ones to participate in where there is a clear agenda for Eu-SPRI.

We can issue a new call for bridging activities.

It is important to create a matrix of new knowledge and current expertise within the Forum.

Working Group: Training Activities

Proposed

To set up a training activities organising committee and appoint contact persons in Eu-SPRI member organisations.

To organise monthly seminars for early career researchers. Presenters will receive comments from a senior discussant. The application to present will be a 1 page abstract. The format will be 1.5 hours, 2 presentations, senior discussants, Q&A.

To organize Quarterly Eu-SPRI lectures. Senior members of Eu-SPRI community will share their views and insights from current research. 3 presentations a year and 1 debate or panel discussion.

To organise more intensive research workshops. These will be 1 day or half a day in length and held 2 to three times a year. They will focus on specific topics proposed by members relating to both new methods and theoretical developments. External experts will be engaged and interactive format such as round table and breakout groups used to discuss the latest developments and future research direction.

There was also a discussion on communities of practice but this is not going forward at the moment.

Agreed

The proposed new activities are in addition and complementary to existing Eu-SPRI ECR activities.

We should have more on-line activities

There will be a mobilizing group formed for the implementation of the proposed training activities.

Activities should be bottom up and the organising committee select on that basis.

We need to much more pro-active in communication. Given the savings by being virtual we may discuss in the ExCo have someone else working on the website. We need to expand our central administrations and support Debbie (Secretariat).

Workshop Summary

The training activities are very nice low threshold activities. We could maybe advertise our external seminars through Eu-SPRI. This is an additional idea to open ourselves up.

What we have decided at the workshop does mean something and we will need to take the lead on some of these activities as a Forum. This is an appeal for a collective effort.

We will now make this very concrete and implement step by step. The ExCo will lead.

Ideas proposed to be further developed by the working groups in collaboration with the ExCo.

What is clear is that we need some short term activity to say what we are all about.

The ExCo will lead the writing of a document to articulate the identity and of Eu-SPRI.

The President and ExCo thank all workshop and working group participants for their efforts.

Annex 6: New initiative: Eu-SPRI Early Career Researcher (ECR) Webinar Series

One of the EU-SPRI key missions is to support the next generation of researchers in the fields of economics, political science, sociology, Science and Technology Studies (STS), business administration, geography and history. This is particularly important under the current COVID-19 pandemic where mobility and the international research experience have been substantially restricted. Early career researchers have been particularly hit by these restrictions, which could potentially impact their career progression in the short and medium term. Attendance at international conferences, gaining external critical feedback on their work, research stays abroad and enlarging their own networks are, among others, key skills to become independent researchers, find appropriate job opportunities and progress in their scientific careers. EU-SPRI is supporting the intellectual and career development of early career SPRI researchers by setting up a **monthly webinar series**.

For interested early-career researcher (PhD students and post-docs), the EU-SPRI webinar series is an excellent opportunity to present on-going and/or new research in the area of innovation and policy to an international audience. The Webinar series is thematically open within the boundaries of the affiliated EU-SPRI institutions' topics. Our aim is for seminars to reflect the diversity of research topics and interests in our community.

In order to be considered as a presenter, researchers have to submit an underline extended abstract (1000 words approx.), plus a short bio (and expected date of thesis defence in the case of PhD candidates) to the organising committee. Researchers who are accepted are asked to send a full paper two weeks prior to the webinar. Webinars will run on every **third Thursday of the month from 3.30 to 5pm (CET) using Zoom** and will accommodate two presentations. The expected length of the talk is 15-20 minutes to fit the online format, followed by the discussion from a junior and senior colleagues (max. 15mins.) and Q&A from the audience. Total length of the webinar will be 1.30 hours, 45 minutes per participant.

The Webinars Organising Committee:-

- Mabel Sanchez Barrioluengo, MIoIR/The University of Manchester, msbarrioluengo@manchester.ac.uk
- Gaston Heimeriks, Utrecht University, g.j.heimeriks@uu.nl
- Rhiannon Pugh, CIRCLE/Lund University, rhiannon.pugh@circle.lu.se
- Torben Schubert, CIRCLE/Lund University & Fraunhofer ISI, torben.schubert@circle.lu.se
- Henning Kroll, Fraunhofer ISI, henning.kroll@isi.fraunhofer.de

This initiative is now running and the first webinar has taken place. The presentation slots are arranged until October 2021. The first seminar session is already concluded with two great presentations and more than 40 participants, which exemplifies the huge interest in this new format.

Annex 7: Financial Report by the Treasurer

The financial report is a separate report presented to the General Assembly