OECD Science, Technology and Innovation Outlook 2020
First proposals on form, content and production

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The projection of a number of current trends in the longer-term future points to **important challenges** ahead.

STI policy makers **need to reflect on what the interplay of such trends means** in terms of opportunities to be seized and challenges to be met.

There is **untapped potential for STI** to address these trends.

At the same time, the **speed and uncertainty of technological change** makes it difficult for policymakers to **exert oversight of emerging technologies**.

There are also several key trends and issues specifically related to the organisation and conduct of STI activities that require policy responses.

**Analysis of future trends**, whether derived from extrapolations, simulations, projections or scenarios, can **alert policy makers** to important upcoming issues.

This can lead to the development of **more adaptive policies** that can better respond to disruptive scientific, technological and societal developments.

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**STI Outlook**

**Reports on the latest trends and issues relevant to STI policy**

**Authoritative, drawing on the latest evidence**

**Novelty through its international comparative analysis, its potential for new syntheses, and its future orientation**

**Serves as a platform for showcasing OECD STI policy work and for exploring new topics that might be covered in future projects**
Elements of STI Outlook 2020 – a proposal

1. Overarching thematic framework for STI Outlook 2020
   Key compelling messages

5. Move beyond the book
   Series of launch points at dedicated events across the year
   STIO website: incl. blogs, infographics, background analyses, etc.

2. Embed in PWB projects
   Events
   Analysis

3. Country assessment
   Quantitative statistics
   STIP Compass policy data

4. Dedicated forward-looking analysis
1. Formulate an overarching thematic framework

- The STIO has tended to lack a few strong messages that stimulate media interest and wider debate
- Yet, the STI policy field is not short of areas of concern and controversy, and faces many challenges
- We could formulate an overarching thematic framework that would shape the STIO 2020’s contents and influence the choice of PWB projects that could contribute well-aligned material

- Emerging technologies and their applications
- Actors and their changing roles
- Emerging systemic issues
- Policies that remain much-debated
- Regional or country developments
- New methodological developments
2. Embed STIO 2020 in current PWB projects

- CSTP and working party projects are a rich resource for the STIO
- STIO authors are typically those running thematic projects. They should already be planning their contributions to STIO 2020
- As an OECD flagship publication, contributions to the STIO 2020 might be expected beyond the CSTP and its working parties
- To what extent do projects in the 2019-20 PWB cover topics that align well with the formulated overarching thematic framework?
3. Incorporate a strong country perspective

- To further stimulate interest among policy makers and national media
- How could it be done?
  - Greater use of statistical data, e.g. to position countries on particular topics and to illustrate changes over time
  - Further exploiting STIP Compass, e.g. doing country analysis at a greater level of detail on specific topics covered in STIO 2020
  - Exploiting relevant country case studies and analysis embedded in PWB thematic projects
  - Analytical focus on a specific country or region, e.g. SE Asia, Africa, etc.
4. Conduct forward-looking analysis

- Typically the STIO is forward-looking only insofar as PWB project inputs incorporate future-oriented perspectives
- Landmark 2020 year perhaps warrants dedicated foresight analysis (c.f. 2016 STIO)
- Focus? Scope? Approach? Additionality?
- Could not advance significantly without additional support from countries or partner organisations
At the government ministry and agency level, several countries will likely carry out STI foresight studies in 2020.

Opp. to collaborate on analysing selected topics covered in the STIO 2020?

- The national perspective would benefit the STIO 2020
- The OECD’s international scope could in turn benefit these national exercises

Other partners are possible, providing platforms, expertise, and other resources
5. Move beyond the book

- Staggered production and launch of STIO 2020 during the year at several ‘launch points’
- Built around events led by PWB projects or national ministries or partner organisations

Each launch point, covering a different topic, would include the following standard elements:

- Event
- Website containing:
  - Draft chapter
  - Statistical analysis
  - STIP Compass data analysis
  - Case studies
  - “In my view” contributions, e.g. blogs, podcasts, etc.
  - Infographics and other visual materials
  - Other supporting analyses
- Communications and media

The final publication would be launched near the end of the year.

It would include final drafts of all chapters presented throughout the year.

It would also include an overarching chapter to synthesise the main messages and provide an overview.
Main challenges and constraints

- Multiple objectives
- Limited resources
- The need to mix and match different contributions
Next steps – getting your feedback

1.1. What issues would be good candidates to provide an overarching narrative for the STIO 2020?
1.2. What sorts of key compelling messages would we want to relay?
1.3. What work are we doing already that speaks to these issues? What else would we need to do?

2.1. Which projects or events planned in the 2019-20 PWB could feasibly contribute to the STIO 2020?
2.2. What could these contributions look like?

3.1. What expectations do countries have of the STIO 2020 reporting on their policies and relative performance?
3.2. In addition to the ideas set out above, in what ways could we enhance the STIO 2020’s country perspective?

4.1. What precisely would we want to achieve by doing dedicated foresight analysis?
4.2. What sorts of foresight analysis is most attractive and feasible for STIO 2020?
4.3. What existing or planned foresight activities are countries doing that the STIO 2020 could leverage? How could we initiate an exchange with these activities?
4.4. Considering the list in Box 2, what other organisations would be attractive partners for carrying out the STIO 2020’s foresight analysis?

5.1. How attractive and feasible is the proposed staggered approach to producing and launching STIO 2020 content?
5.2. Are there any major events in your country in 2020 that could serve as one of the STIO 2020’s launch points?
5.3. Do you know of good examples of mixed content online platforms that could serve as useful reference points for the STIO 2020’s website?

- Room doc >> ONE M&P
- Feedback by 3rd May – prompt questions
- In particular:
  - Your country’s existing or planned foresight activities that could potentially contribute to the STIO 2020 in mutually beneficial ways
  - Any major events in your country in 2020 that could serve as one of the STIO 2020’s launch points
- In May-June, approach partners and put together coalitions for launch points