

5 - 6 DEC. 2023

EUROPEAN PARTNERSHIP STAKEHOLDER Forum **2023**

BLUE POINT | BRUSSELS

SESSION A4

Developing a coherent partnership portfolio



Speakers/Panelists:

Daria Julkowska, Chair of the Expert Group on Support of SCP for Partnerships

Michael Doms, member of the Expert Group for Support of SCP for Partnerships

Alexander Grablowitz, German Ministry of Education and Research, Head of Unit “Research and Innovation in the EU”, Co-Chair PKH

Erik Canton, European Commission

Magali Poinot, Innovative Health Initiative

MODERATION: MARION JAMARD, EUROPEAN COMMISSION

Developing a coherent partnership portfolio –
work of the Expert Group supporting the EC in
the Strategic Coordination Process for
Partnerships

FIRST TASK OF THE EXPERT GROUP

Expert Group on support of the Strategic Coordinating Process

Mandate 2022-24

Overview



The Expert Group

- Dr. Daria Julkowska (chair)
- Dr. Jari Romanainen (rapporteur)
- Dr. Effie Amanatidou
- Prof. Michaël Doms
- Mr. Krzysztof Gulda
- Prof. Henric Johnson
- Dr. Ülle Napa
- Prof. Dubravka Skunca
- Prof. Bertrand Rose

Our mission:

The **Expert Group for support of the Strategic Coordination process for Partnerships⁴** was entrusted with three tasks:

- Prepare evidence-based independent advice to the Commission on the development of the portfolio of European Partnerships, taking into account emerging R&I priorities, common challenges and EU political priorities that require orchestrated large-scale investments → currently being finalised
- Support the drafting of the 2024 edition of the BMR on partnerships, and engage with European Partnerships, Member States (MS) and Associated Countries (AC) in the preparation of the report, including data collection → preparatory process started
- Develop recommendations for next steps and required support for the strategic coordinating process → forthcoming

Our approach since 2020:

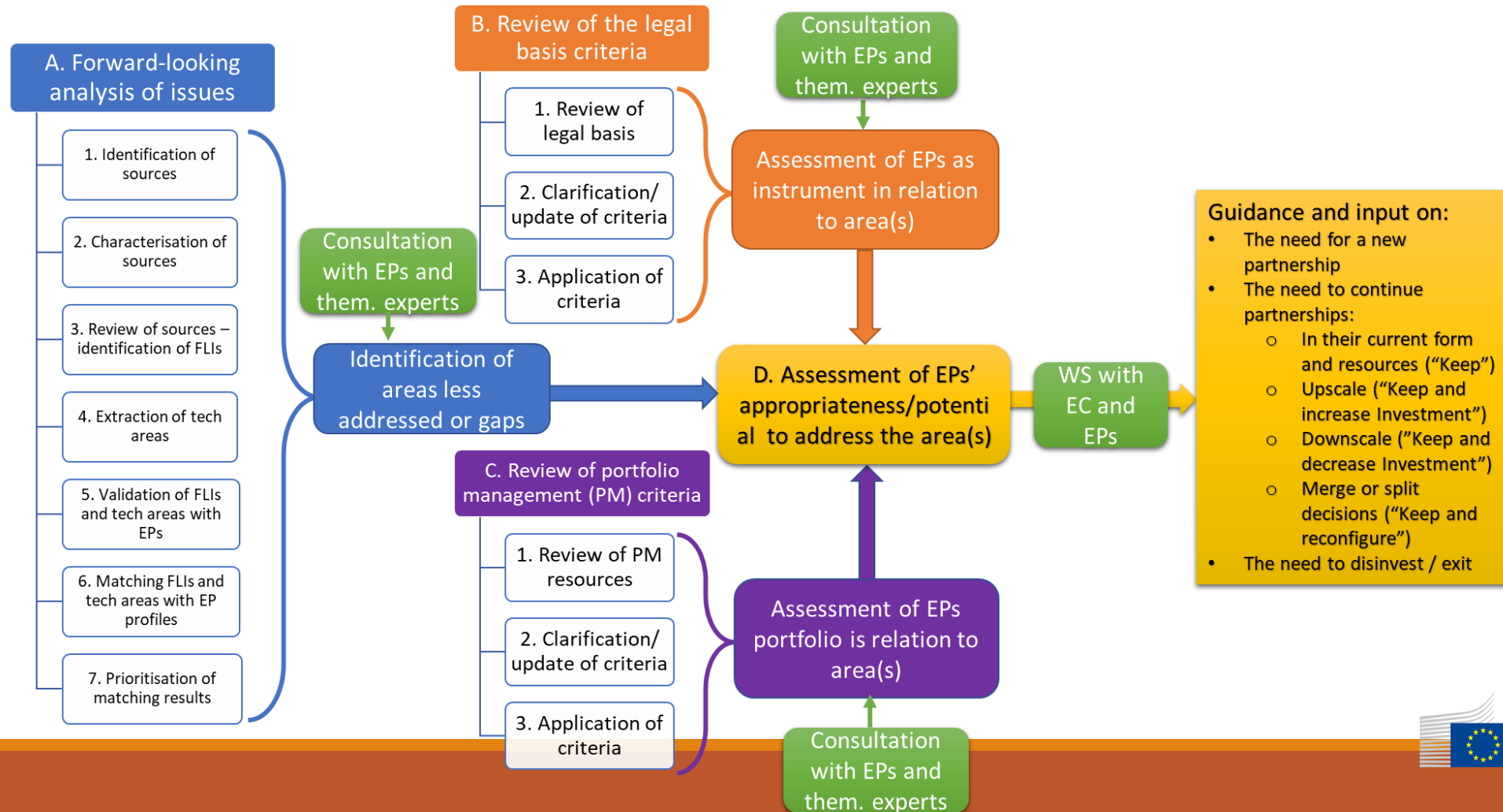
- Transparency
- Collaboration
- Synergy
- Available to assist (you)
- Impartial
- Independent



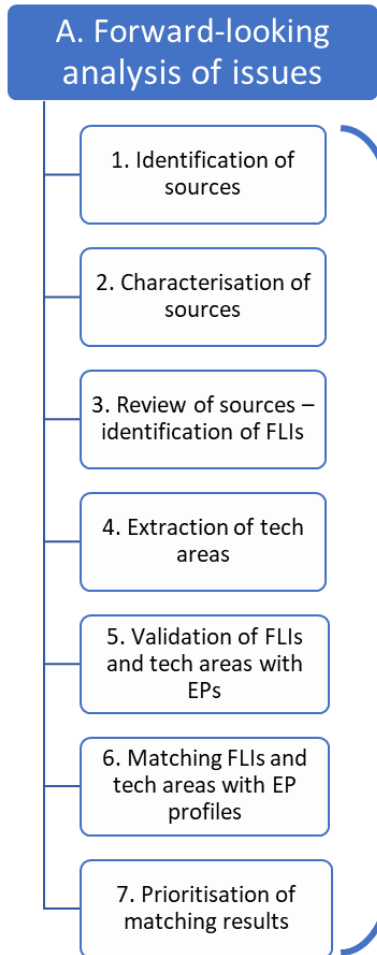
Photo de [Kelly Sikkema](#) sur [Unsplash](#)

Integrated approach for assessing the landscape of European Partnerships

Integrated approach for assessing the landscape of European Partnerships



A. forward-looking analysis of issues



Consultation
with EPs and
them. experts

Identification of
areas less
addressed or gaps

STEP 1+2 - 76 relevant, trusted, and comprehensive documents (review and characterisation); basis on 60 doc reviewed by another expert group

STEP 3 - 350 preliminary Forward-Looking Issues (FLI) – policy, societal, economic, or technological topics, connected with the most relevant 14 Global Megatrends identified by the Megatrend Hub of the EC, and the most relate EU policy areas

STEP 4 - 130 individual technology and R&I topics extracted from names and short descriptions of FLIs.

STEP 5- Final list of 35 FLIs (grouped in 15 Thematic Groups) and 118 technology and R&I topics (grouped in 14 Technology areas)

STEP 6 - The 14 Global Megatrends, 35 FLI and 119 technologies and R&I topics matched through a Survey with the areas of interest of existing European Partnerships (34 European Partnerships - 13 Co-funded, 8 Co-programmed, 9 Institutionalized, 3 EIT KICs) plus 5 Missions.

STEP 7 - The FLI, and Technology areas could be prioritised against different dimensions, e.g., relevance and/or impact on the EU policies, urgency of the EU needs, maturity of technology or distance to the market.

A. Example findings and observations

Relative importance of Megatrends to European Partnerships and Missions (*highest=upper left corner, descending=first down, then right, lowest=bottom right corner*). Source: Expert group (2023)

(a) Partnerships

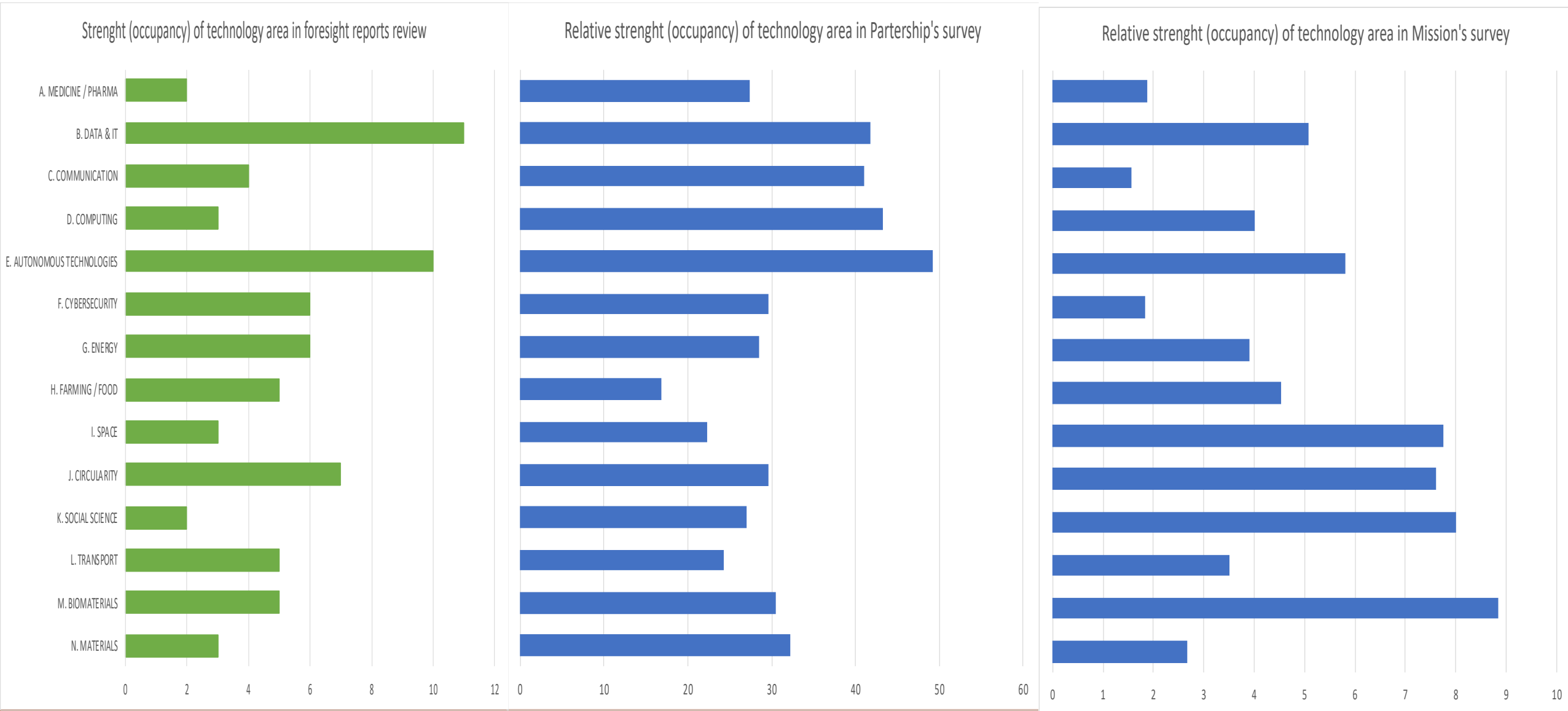


(b) Missions



Example findings and observations – Technology areas

Comparison of results from foresight report, Partnerships and Missions



Example findings and observations – Technology areas

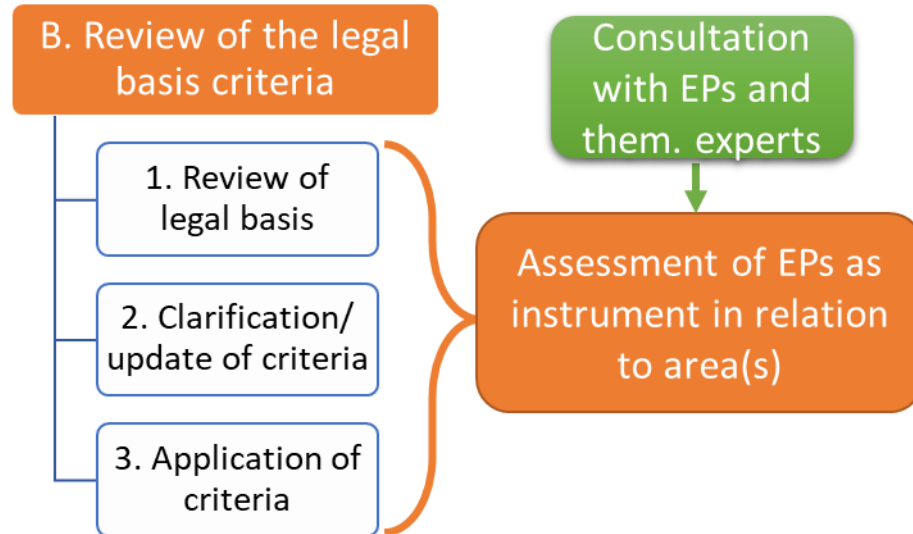
Comparison of results from foresight report, non-IPs and IPs



| | Reports | | | Partnerships | | | Missions | | |
|--|---------------------------|-------------------------------|---------------|------------------------|--------------------------------|---------------------------|----------------------------|-------------------------------|---------------------------|
| Top 3 most occupied Megatrends | | | | Climate change | Accelerating technology change | Shifting health change | Climate change | Aggravating resource scarcity | Continuing urbanisation |
| Top 3 most occupied thematic groups of FLIs | FLI 6 | FLI 1, FLI 2 | FLI 4, 9, 12 | FLI 3 | FLI 14 | FLI 10 | FLI 10 | FLI 3 | FLI 14 |
| Top 3 most occupied technology areas | Data & IT | Autonomus | Circularity | Autonomus | Computing | Data | Biomaterials | Social Science | Space |
| Bottom 3 less occupied Megatrends | | | | Increasing demographic | Aggravating resource scarcity | significance of migration | Changing security paradigm | influence of east and south | significance of migration |
| Bottom 3 less occupied thematic groups of FLIs | FLI 7 | FLI 8 | FLI 10, 15 | FLI 6 | FLI 1 | FLI 9 | FLI 8 | FLI 1 | FLI 9 |
| Bottom 3 less occupied technology areas | Medicine / Social Science | Computing / Space / Materials | Communication | Transport | Space | Farming | Medicine | Cybersecurity | Communication |

- **Preliminary conclusion:**
 - Complementarity of instruments between Partnerships and mission on technology area level
→ gaps in Partnership coverage matched with Missions areas of activity and vice versa

B. Review of the legal basis criteria



Better clarify the main criteria that need to be met in setting up partnerships and any specific type of them.

Limited to desk research.

Application of the identified criteria by reviewing the available documentation and information available on the websites of the IPs (in this case).

In a real-time assessment exercise, the desk research needs to be accompanied by workshops or interviews with experts on the partnership instrument accompanied by thematic experts.

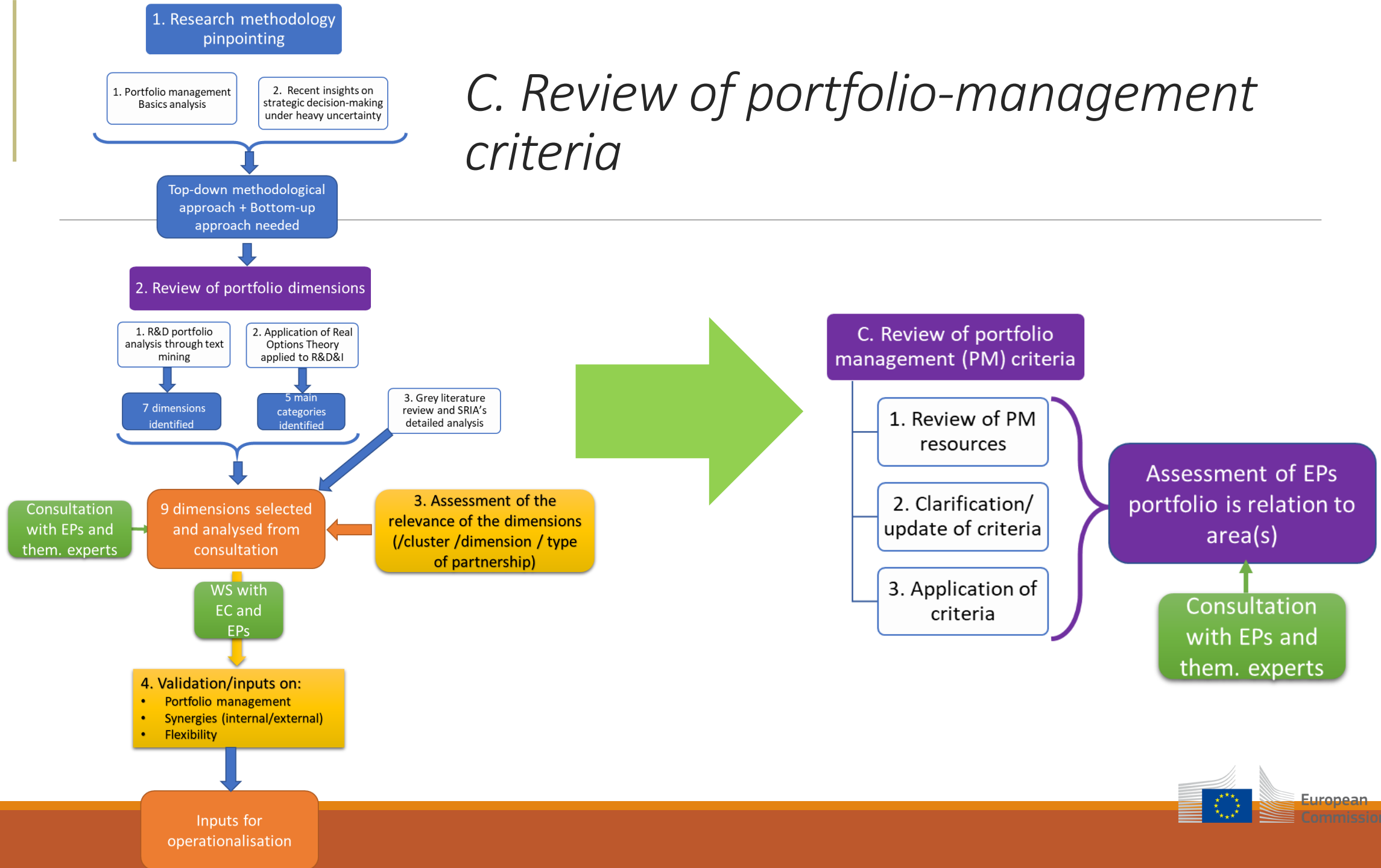
In selecting such experts, it is important to ensure that there is no conflict of interest to avoid biases in maintaining / expanding existing partnerships for instance.

B. Review of the legal basis criteria

List of legal basis criteria applied:

1. *Necessity for action at the EU level.*
2. *Aims/goals or impacts needed to address the challenges are not expected to be fully met by other types of Partnerships*
3. *Need for a long-term perspective in addressing the defined challenges.*
4. *Building on a higher degree of integration*
5. *Prospect for aligning R&I agendas, improving skills, and increasing absorption capacity of European businesses*
6. *Need for systematic engagement of stakeholders and end-users, including standardization bodies and international partners to achieve uptake of solutions.*
7. *Addressing a set of systemic, market and transformational failures, which is a pre-condition for accelerating the development and diffusion of innovations.*
8. *Addressing the Union's economic capacities and its scientific and technological sovereignty.*

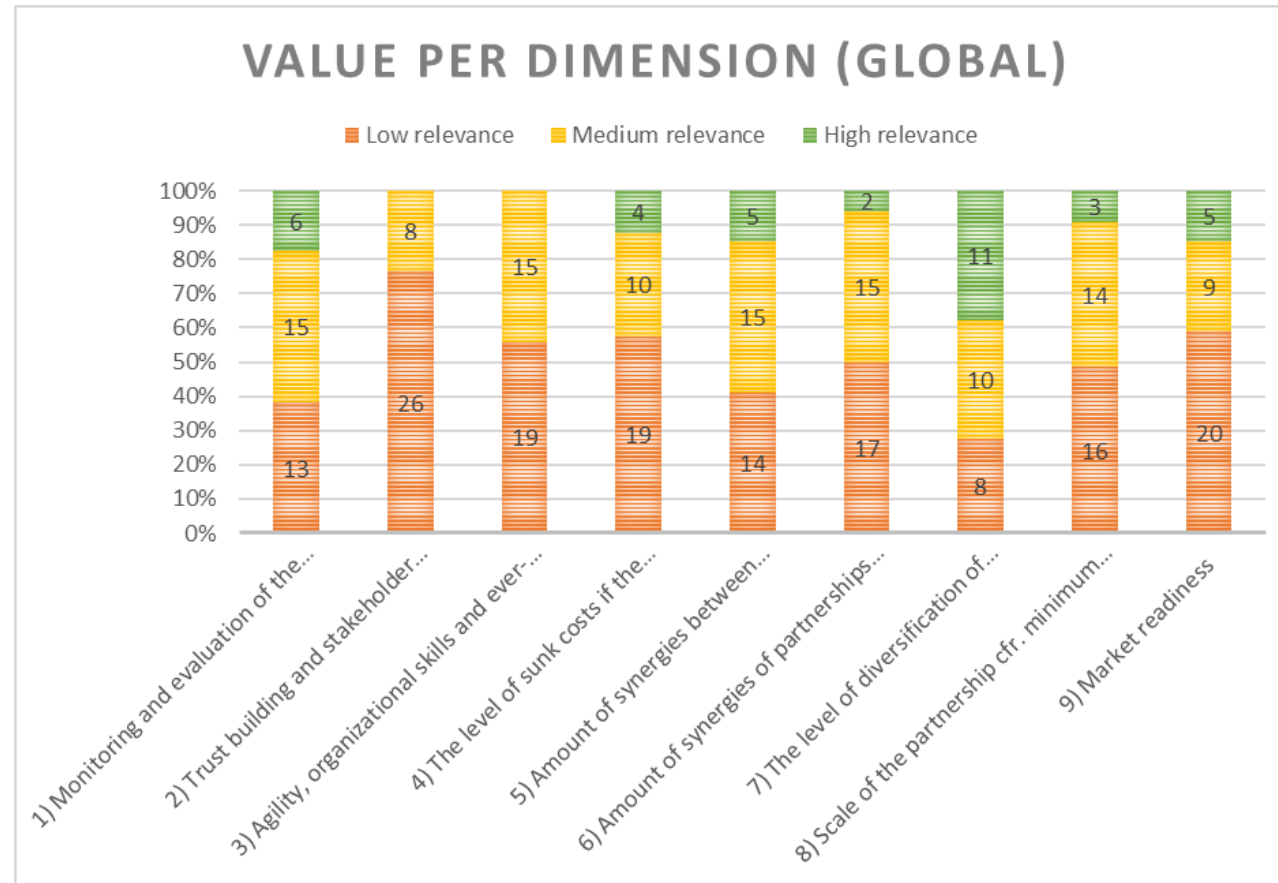
C. Review of portfolio-management criteria



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Global overview of the relevance of the proposed dimensions (survey results).

Source: Expert Team analysis (2023)



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Global overview of the relevance of the proposed dimensions.

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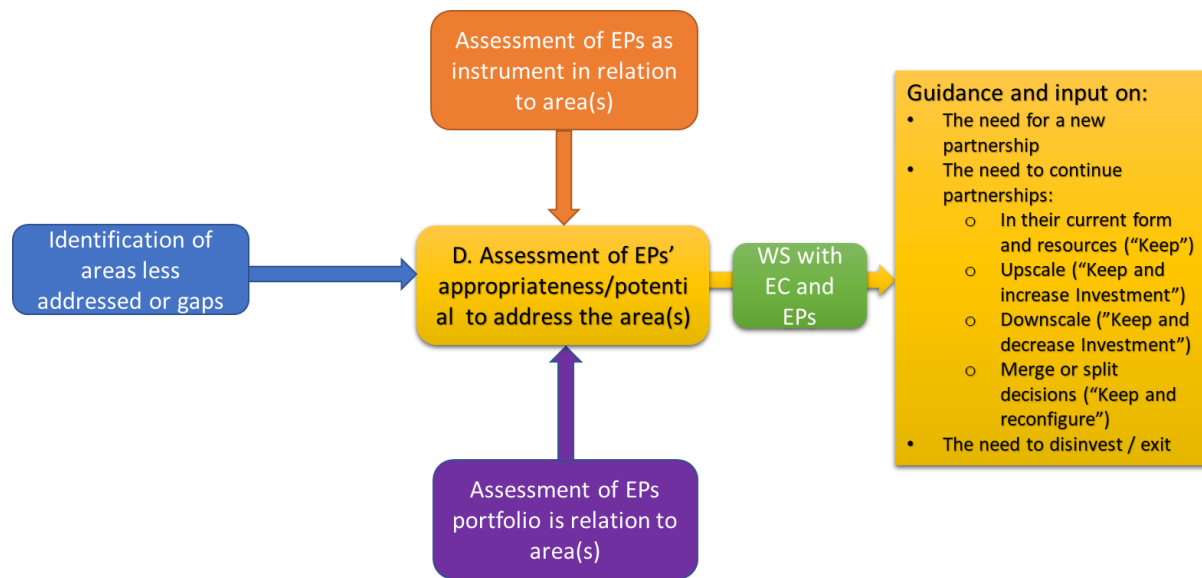
| Dimension / criterion | Priority |
|-----------------------------------|----------|
| Agility and flexibility | High |
| Synergies (internal) | High |
| Synergies (external) | High |
| Market Readiness | High |
| TRL evolution | High |
| IP generation | High |
| Sunk costs / irreversibility | Medium |
| Trust and stakeholder flexibility | Medium |
| Scale | Medium |
| Diversified portfolio management | Low |
| Monitoring and evaluation | Low |

The set suggested in this report can be the basis which can be reviewed/refined/updated depending on the specific aims of the assessment task and the type of partnerships targeted.

When addressing an identified gap, where there are no partnerships already or which is less addressed by the existing ones, desk research will not suffice due to lack of information.

It is advisable to apply the methods suggested under each of the portfolio management criteria as described in Chapter 2.2 and more analytically in Annex 2 of the report

D. Assessment of EPs' appropriateness/potential to address the area(s)



Legal basis criteria

- Two 'exclusion' criteria: action needed at EU level and not possible to achieve aims/goals with other types, the latter considered most difficult to apply in the workshop
- S&T sovereignty also considered difficult to address - variety of interpretations
- Almost all adequately addressed in current partnerships
- Broader as well as specialized expertise and interactions needed in case of areas not addressed by partnerships

Portfolio management criteria:

- A variety of interpretations or addressed with insufficient detail or inadequately.
- More detailed examination of each partnership needed complemented by interviews and relevant surveys
- Annex 2 provides methods to apply each criterion and first concrete suggestions of indicators to adequately assess the criteria, in particular related to market readiness and uptake.

Further suggestions

- Preparative step addressing the basis of A (Megatrends, FLI and tech areas), B (legal basis dimensions) and C (portfolio management dimensions)
- Highly interactive and engaging process (EC, thematic experts, partnerships, etc.)
- Policy-makers' inputs for prioritisation and ranking
- Independent and transparent process of analysis/assessment of the current portfolio of European Partnerships
- Important to integrate the use of this approach/methodology – together with possible other decision support approaches/methodologies – into the existing decision-making processes and communicate the result to the partnership community
- Possible bias due to the intentional emphasis on technologies over other types of knowledge and competences – complement with broader knowledge base and interaction with community and experts
- Potential for further development (automisation of review process, creation and analysis of sub-portfolio dimensions, assessing / operationalising the portfolio management dimensions)

THANK YOU

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