



# Clean Energy Transition Partnership

## SRIA definition and implementation process

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Secretary General

29 June 2020

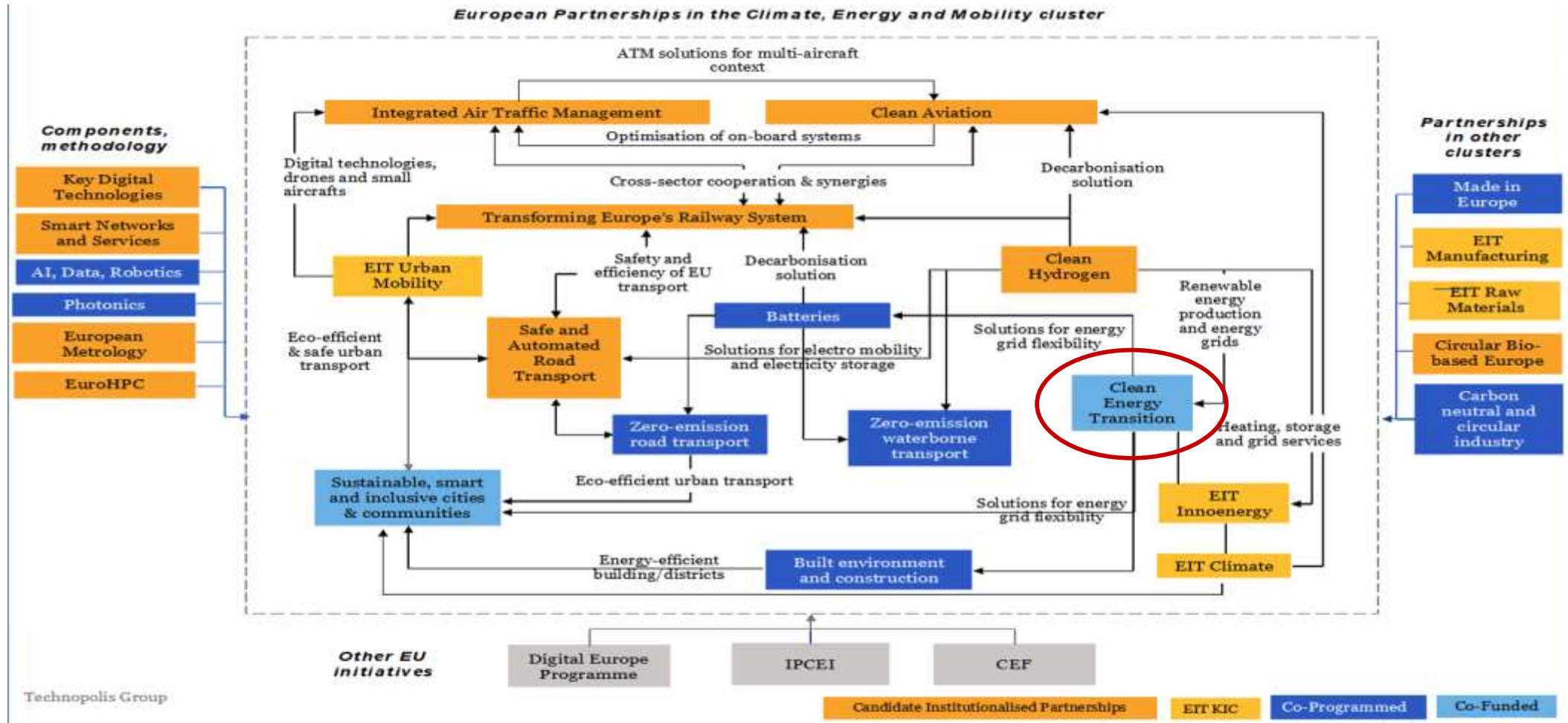
# 1. Agenda

- ▶ Definition of CETP
- ▶ Positioning of CETP
- ▶ Definition Process of the CETP
  - ▶ Focus on Bottom-up approach & stakeholder consultation
  - ▶ Focus on Top-down holistic approach
- ▶ Stages and tentative timeline of the CETP process

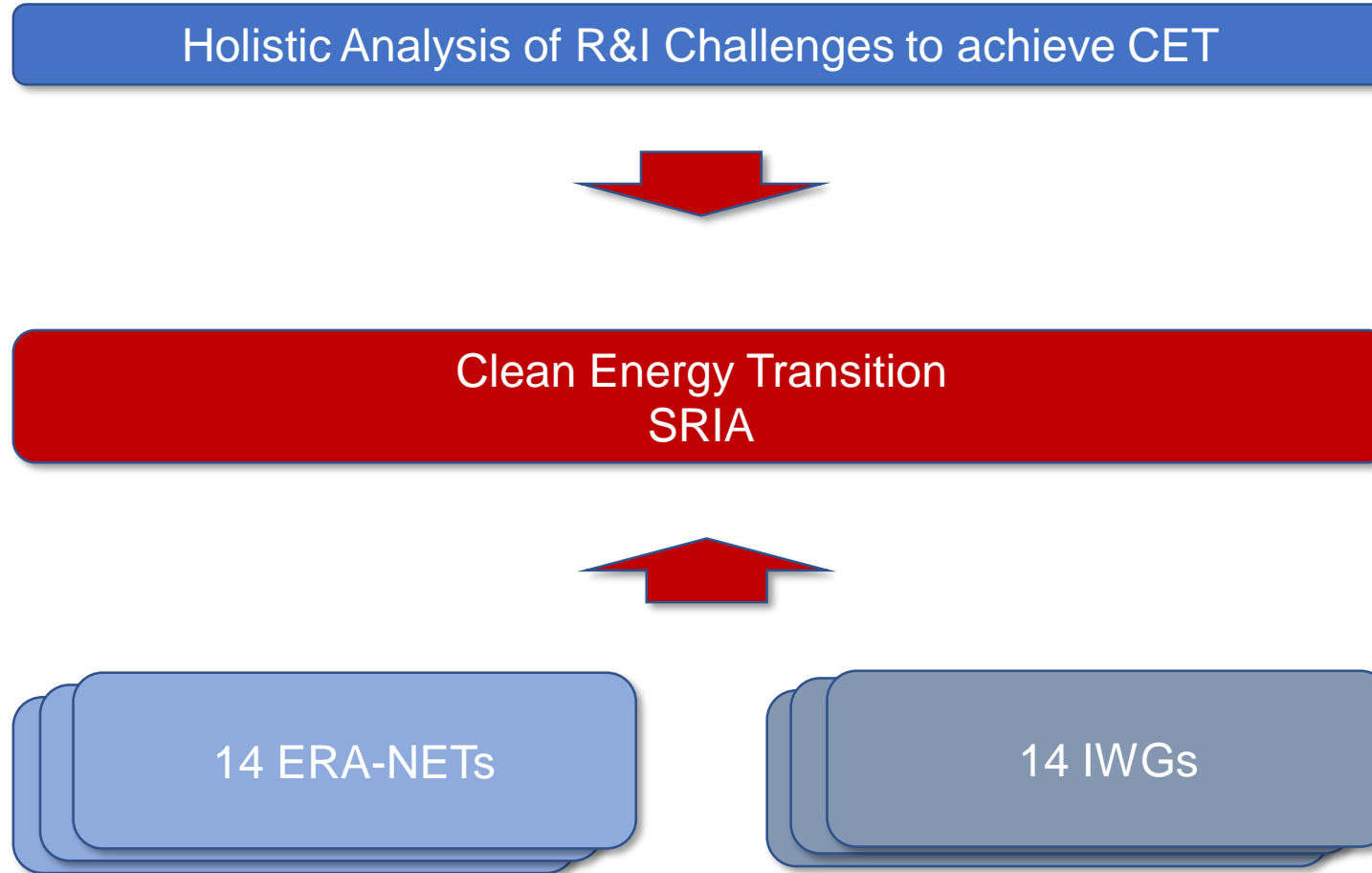
# 1. Definition of CETP

- ▶ The European Partnership will foster joint actions between Horizon Europe and national funding programmes on common R&I priorities, building on – and bringing forward – the work carried out in the SET-Plan.
- ▶ Co-Fund Partnership : Members States / Associated Countries
- ▶ Pillar II: “Global Challenges and European Industrial Competitiveness”,  
Cluster V: Climate, Energy and Mobility
- ▶ Intended Start: 2021

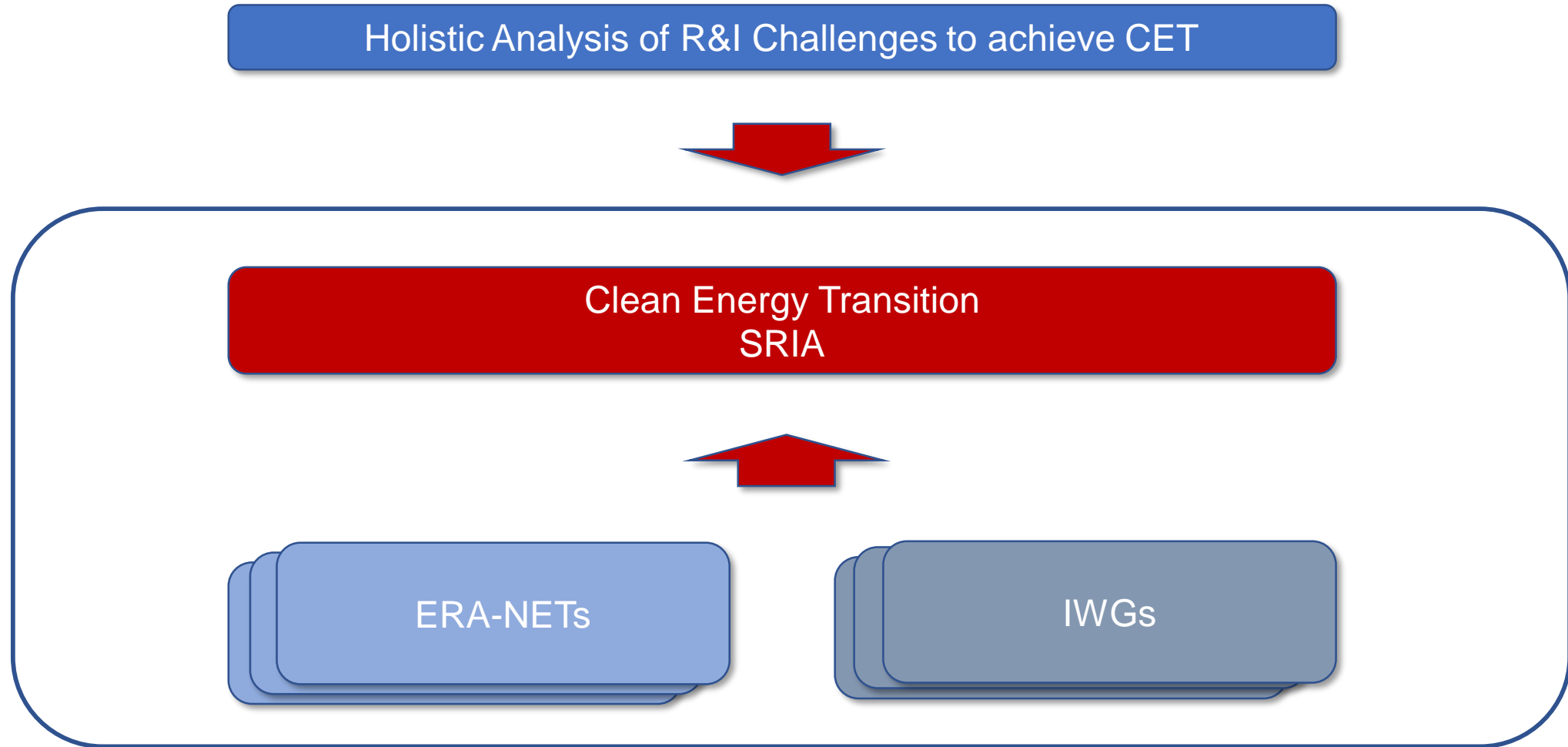
## 2. CETP within a constellation of interconnected partnerships



### 3. The CETP SRIA Definition Process



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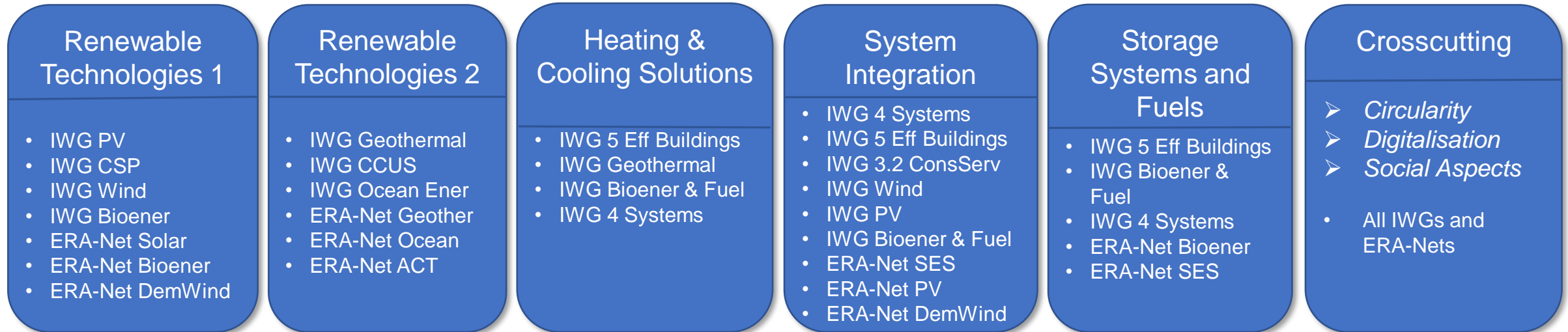


## 3.1. CET Partnership – The founding blocks (Bottom-up)

- ▶ Capitalising of extensive work achieved so far:
  - ▶ 14 Implementation Working Groups (IWGs) from SET Plan
  - ▶ 14 ERA-NETS

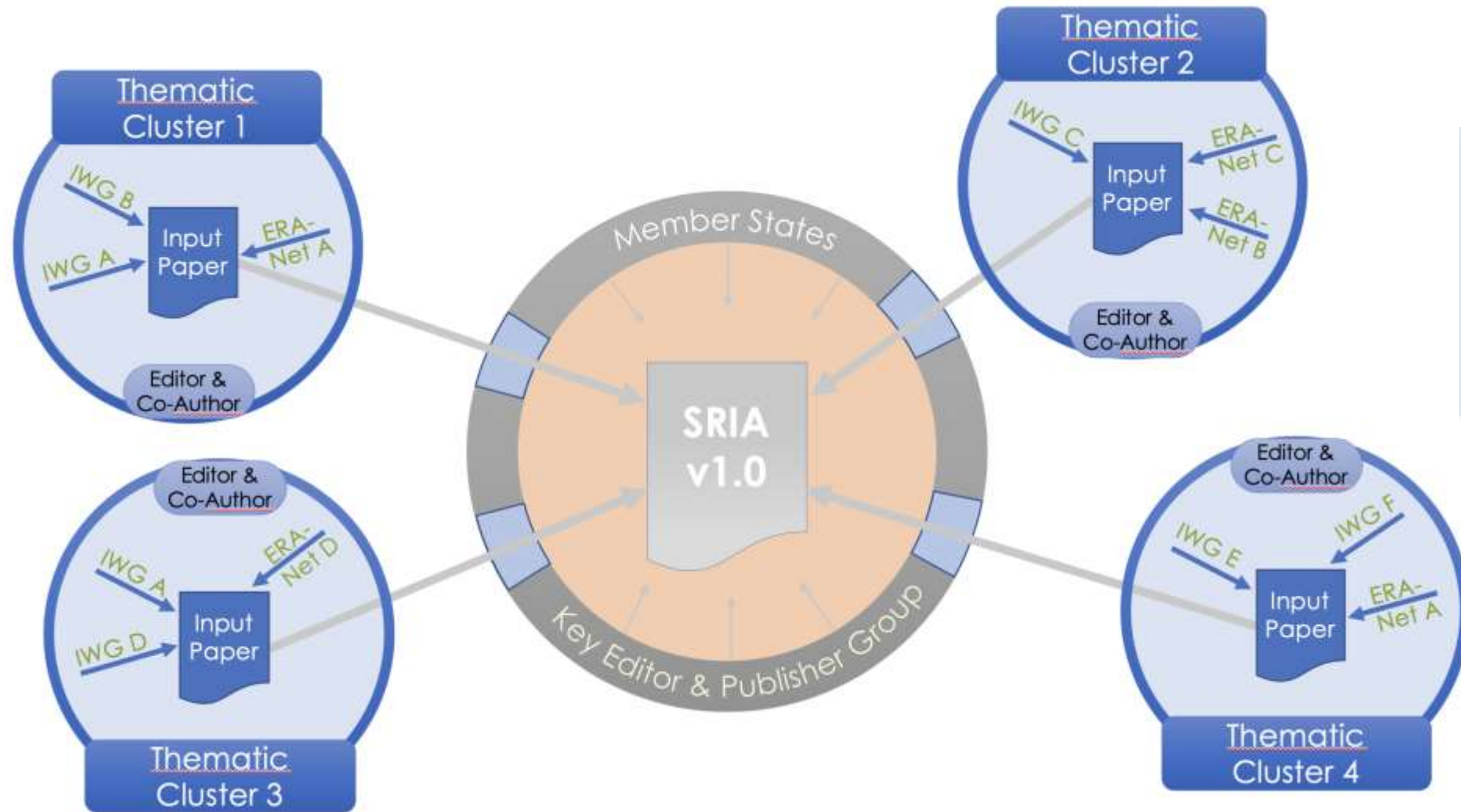
Acronym	Full name	Start Date	End Date	Funding Framework	Network Type	Countries	Coordinator
<a href="#">ENSCC</a>	ERA-NET Smart Cities and Communities	01.12.2014	31.05.2020	Horizon 2020	ERA-NET Cofund	12	<a href="#">BMVIT</a>
<a href="#">DemoWind</a>	DemoWind ERA-NET Cofund action - delivering cost reduction in offshore wind	01.01.2015	30.06.2020	Horizon 2020	ERA-NET Cofund	6	<a href="#">DECC</a>
<a href="#">ERANet SmartGridPlus</a>	ERA-Net Smart Grids Plus; support deep knowledge sharing between regional and European Smart Grids initiatives	30.01.2015	29.04.2020	Horizon 2020	ERA-NET Cofund	20	<a href="#">BMVIT</a>
<a href="#">BESTF3</a>	Bioenergy Sustaining the Future	01.01.2016	31.12.2020	Horizon 2020	ERA-NET Cofund	10	<a href="#">DECC</a>
<a href="#">DemoWind 2</a>	DemoWind 2 ERA-NET Cofund action - delivering cost reduction in offshore wind	01.01.2016	31.12.2020	Horizon 2020	ERA-NET Cofund	7	<a href="#">DECC</a>
<a href="#">ACT</a>	Accelerating CCS technologies as a new low-carbon energy vector	01.02.2016	31.01.2021	Horizon 2020	ERA-NET Cofund	9	<a href="#">RCN</a>
<a href="#">ERA-GAS</a>	ERA-NET for Monitoring and Mitigation of Greenhouse Gases from Agri- and Silvi-Culture	01.05.2016	30.04.2021	Horizon 2020	ERA-NET Cofund	15	<a href="#">Teagasc</a>
<a href="#">SOLAR-ERA.NET Cofund</a>	<a href="#">SOLAR-ERA.NET</a> Cofund	01.11.2016	31.10.2021	Horizon 2020	ERA-NET Cofund	12	<a href="#">NET</a>
<a href="#">GeoERA</a>	Establishing the European Geological Surveys Research Area to deliver a Geological Service for Europe	01.01.2017	31.12.2021	Horizon 2020	ERA-NET Cofund	31	<a href="#">TNO</a>
<a href="#">Geothermica</a>	GEOTHERMICA ERA-NET Co-fund Action	01.01.2017	31.12.2021	Horizon 2020	ERA-NET Cofund	14	<a href="#">NEA</a>
<a href="#">OCEANERA-NET COFUND</a>	Ocean Energy ERA-NET Cofund	01.01.2017	31.12.2021	Horizon 2020	ERA-NET Cofund	7	<a href="#">SEN</a>
<a href="#">EN SGplusRegSys</a>	A European joint programming initiative to develop integrated, regional, smart energy systems enabling regions and local communities to realize their high sustainable energy ambitions	01.01.2018	31.12.2022	Horizon 2020	ERA-NET Cofund	19	<a href="#">BMVIT</a>
<a href="#">Solar Cofund 2</a>	<a href="#">SOLAR-ERA.NET</a> Cofund 2	01.06.2016	31.05.2023	Horizon 2020	ERA-NET Cofund	13	<a href="#">NET</a>
<a href="#">CSP ERANET</a>	Joint programming actions to foster innovative CSP solutions	31.05.2019	01.05.2024	Horizon 2020	ERA-NET Cofund	8	<a href="#">AGENEX</a>

## 3.1 Stakeholder Clusters





## 3.1. Stakeholder Group Dialogue



4 Roles:

1. Editor
2. Co-Author
3. Commenter
4. Discussant

## 3.1. Concept for the Dialogues

### Aim:

- ▶ Learn from IWGs and existing ERA-Nets about identified challenges and existing activities in the entire thematic cluster
- ▶ Open the door to integrate ERA-Net activities and partner programs as well as experienced coordinators and task leaders in the future work of the CETP
- ▶ Establish a dialogue between the CETP and the IWGs

### Activites

- ▶ A webmeeting with each of the thematic clusters, hosted by the CETP core group (AT, CH, IT, NL, SE, TUR)
- ▶ Collective writing process within each thematic cluster, supported and moderated by an editor and co-author

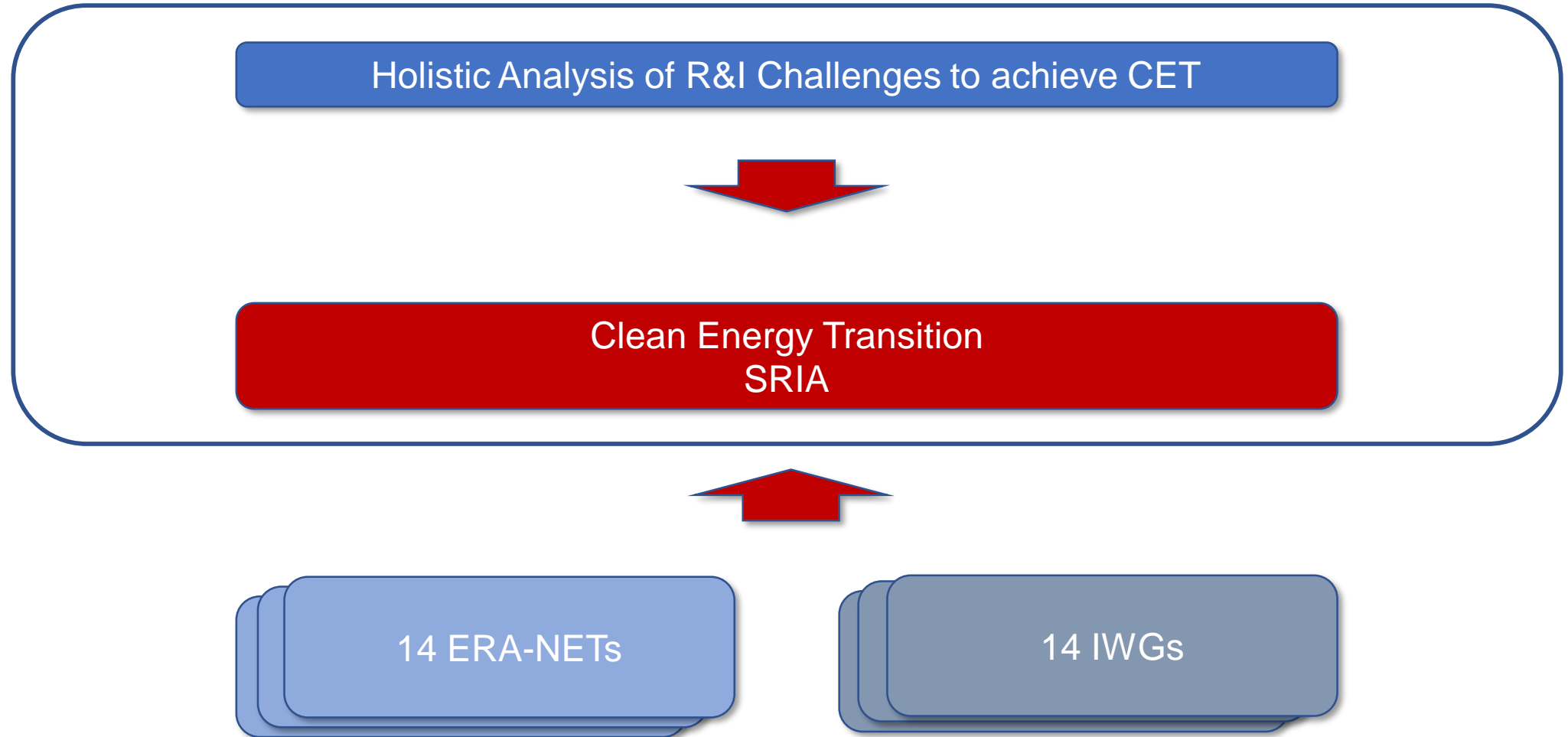
### Output

- ▶ Input Paper to the SRIA from each thematic priority  
(incl. ~1-3 Transition Challenges being key for the coming years)

### Duration

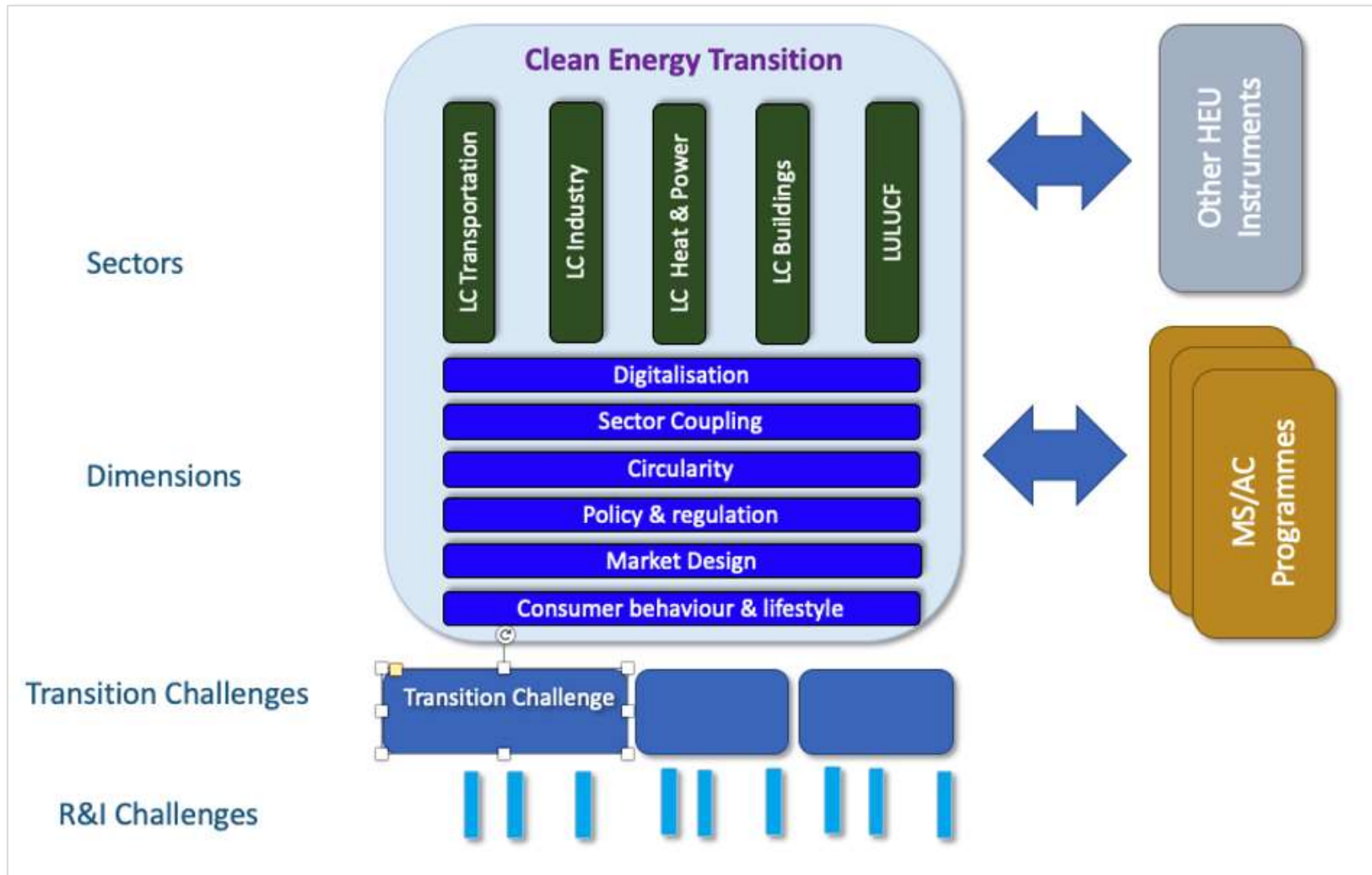
- ▶ May to September 2020

# The CETP SRIA Definition Process



## 3.2. Clean Energy Transition: Holistic Approach (Top-down)

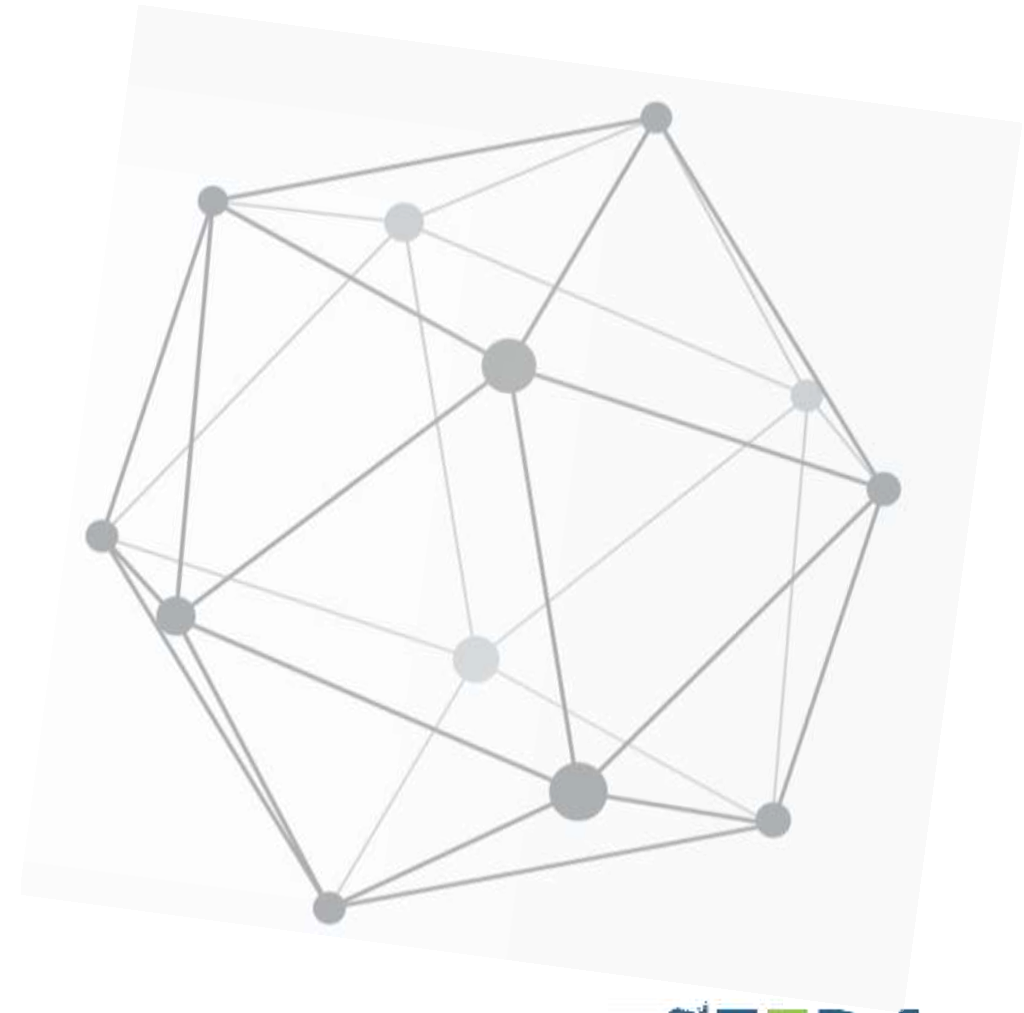
- A holistic, societal and systemic approach to the CET
- A technology-agnostic platform for integrating other initiatives



EERA CETP  
White Paper  
(draft v0.1)

## 3.2. Dimensions for research & implementation of each CDTI

1. Integration into a single European energy system
2. Legal, policy & regulatory framework and market design
3. Technology acceptance and energy citizenship
4. Macro-economic aspects and competitiveness
5. Fair and inclusive transition
6. Circularity
7. Digitalization



## 3.2. Multidisciplinary scope- distinct research fields



### ▶ Technological research

- ▶ Portfolio of complementary, low-carbon technologies that can be effectively integrated and combined within a global energy system.
- ▶ Carbon-negative technologies required for deep decarbonization of society.



### ▶ Techno-economic research

- ▶ Optimize the the energy system performance (climate impact, value creation reliability and cost.)
- ▶ Empirical and model-based quantitative assessments of a system, taking into account technology, capital, operational and end-of-life expenditures, as well as systems integration.



### ▶ Socio-technical energy transitions research

- ▶ Sectors, systems and technologies co-evolve, with actors in society playing a central role
- ▶ Evolutionary economics, innovation studies, sociology, science & technology studies (STS), psychology, geography, political science, law and planning



### ▶ Environmental sustainability research

- ▶ Transition pathways for mitigating climate change and environmental impacts at locally, regionally and globally
- ▶ Tools for addressing the complex puzzle of how to meet long-term climate objectives

# 4. CETP SRIA development process stages (tentative)

## 1. Series thematic web-meetings ERA-NETs & IWGs

**Topics:** Renewable technologies, Heating and cooling, System integration, Storage systems and fuels, Cross-cutting issues

Jun-Jul 2020

## 2. SRIA Input Papers writing

**Topics:** Connecting system-level energy transition challenges to more specific implementation challenges

Led by EERA, with the participation of JPs

### Core EERA team:

M. Belsnes, P. Stoa, A. Tomasgard, P. Vingerhoets, M. Ferraro, M. Baumann, L. De Vries, G. Gladkykh, A. El Gammal

Jul 2020

## 3. Finalization of SRIA, open consultations

Jul-Aug 2020

## 4. SRIA endorsed by CETP Consortium (SET-Plan Conference)

Nov 2020

## 5. Launching final SRIA

Jan 2021



# Thank You

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