



The challenges to foster clean energy transition, resilience and energy security in Europe

*Rolf RIEMENSCHNEIDER,
Head of Sector IoT CNECT/E4
European Commission*

IoT Week – 20 June 2022

DoEAP | Background & Context



Twin Energy and Digital Transition

European
Green Deal

Europe fit for
the Digital Age

a better-functioning, smart, integrated and interconnected energy system, where new business models can easily emerge in a fast-changing market.



July 2020 : Energy System Integration Strategy

key actions to drive the energy transition, including:

“a system-wide **Digitalisation of Energy Action Plan** that could accelerate the implementation of digital solutions and the integration of energy systems”.



July 2021 : Fit for 55 package

to **reduce emissions by at least 55% by 2030.**

This will cover several policy areas – from renewables to energy efficiency first, energy performance of buildings, as well as land use, energy taxation, effort sharing and emissions trading.

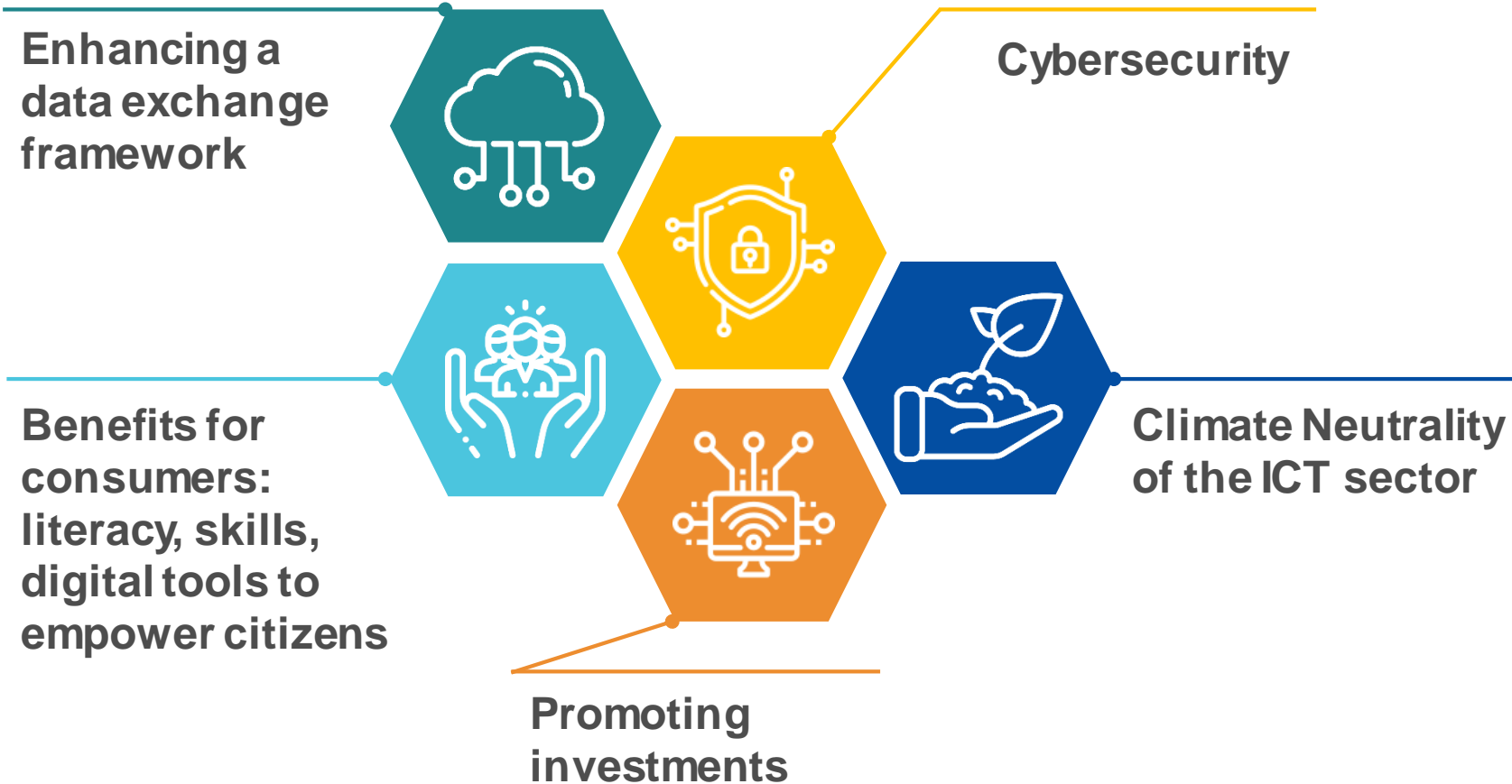


May 2022 : Re-POWER

to **rapidly reduce dependence on Russian fossil fuels and fast forward the green transition.**

It covers diversifying energy supply, investing in new sources like biomethan and hydrogen, reinforcing Fit for 55 targets and accelerating the roll-out of Renewables.

DoEAP | The 5 Areas



The SGTf expert advice – instrumental over the years for the preparation of a number of key policy initiatives and activities

M490; smart metering minimum functionalities; Clean Energy Package provisions; inspiring the implementing acts on metering and consumption data

standards and interoperability (EG1);

Cybersecurity in energy EC Recommendation; Data Protection Impact Assessment Template; foundation work for the network code on cybersecurity.

Assisted with the reflections on the industrial policy strategy

Closed

industrial policy (EG5);

privacy, data protection and cybersecurity (EG2);

prepared the ground, including the proposal templates and evaluation framework, for the 1st calls of smart grids PCIs (Projects of Common Interest); this methodology is still being used (only with minor changes).

infrastructure (EG4);

regulatory/ market design issues (EG3);

inspiring retail market provisions under the Clean Energy Package; foundation work for the development of network code for demand side flexibility.

Closed

SGTf
Steering
Committee

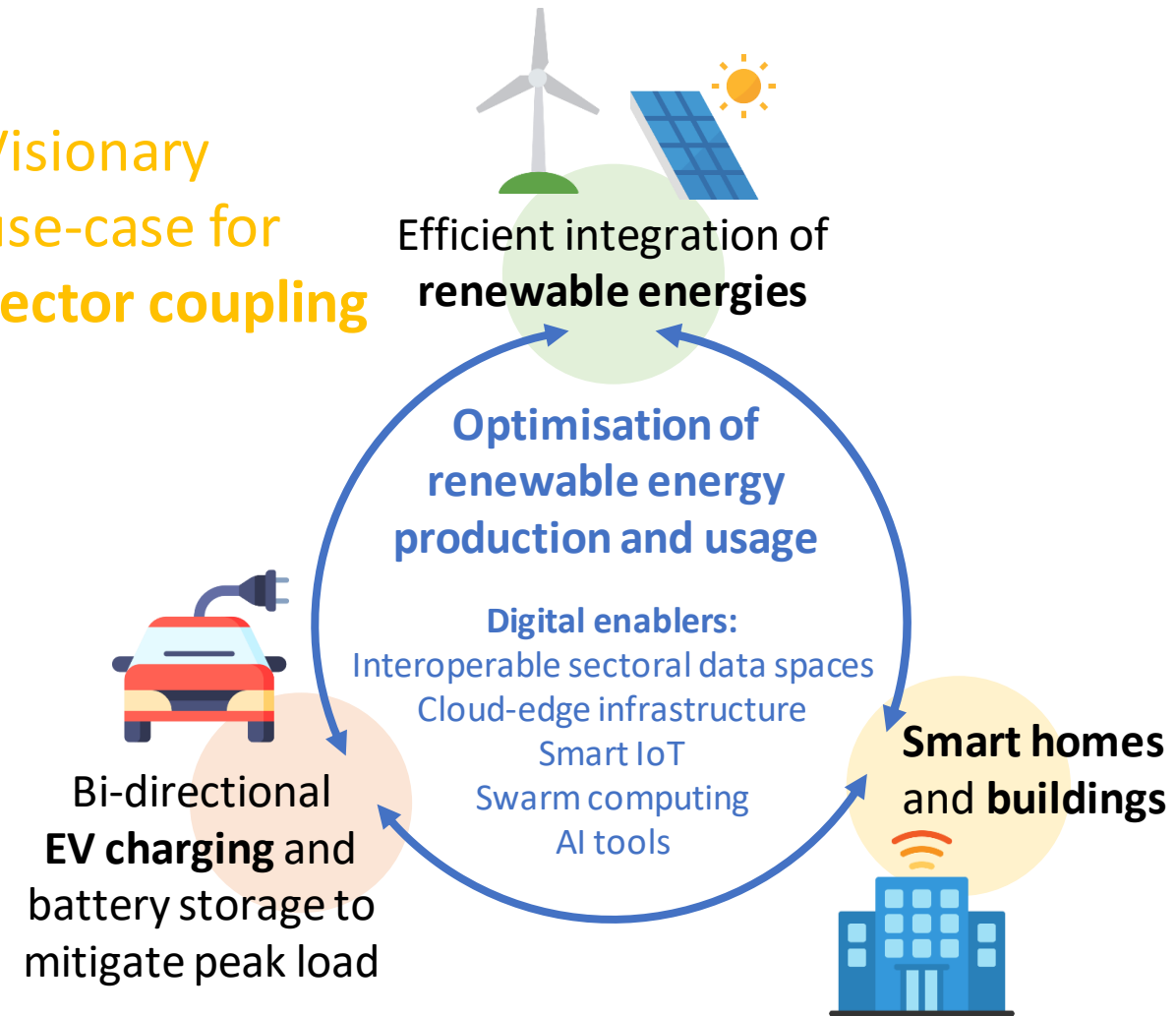
Towards interoperable data spaces

Leveraging the momentum

- **BRIDGE Data WG**
- **GAIA-X** - energy data space
- Converging guidelines: **Open DEI** design principles for data spaces



Visionary use-case for sector coupling



Thank you



© European Union 2020

Unless otherwise noted the reuse of this presentation is authorised under the [CC BY 4.0](https://creativecommons.org/licenses/by/4.0/) license. For any use or reproduction of elements that are not owned by the EU, permission may need to be sought directly from the respective right holders.

Slide xx: element concerned, source: e.g. Fotolia.com; Slide xx: element concerned, source: e.g. iStock.com

