Prosumers for the Energy Union

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Future energy systems: prosumer islands or a new IoT community?

Marta Toporek
ClientEarth

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DRIFT

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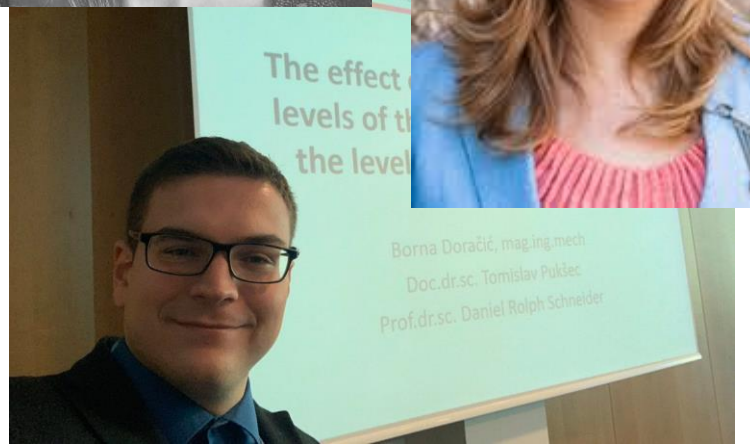
The team



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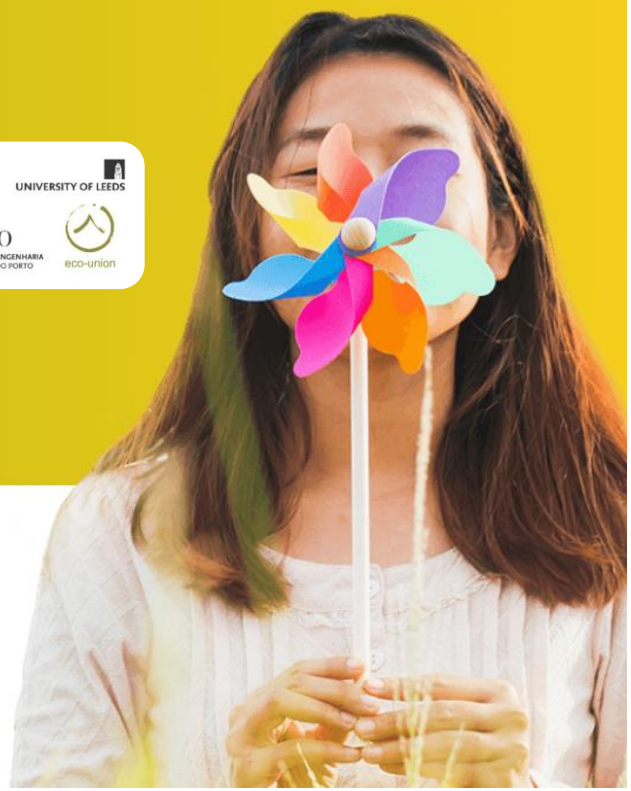

PROSEU - PROSUMERS FOR THE ENERGY UNION

Mainstreaming active participation of citizens in the energy transition

Create and bundle insights on the regulatory, technical, financial and social conditions that influence the mainstreaming of prosumerism in the EU.

www.proseu.eu @Proseu_Project

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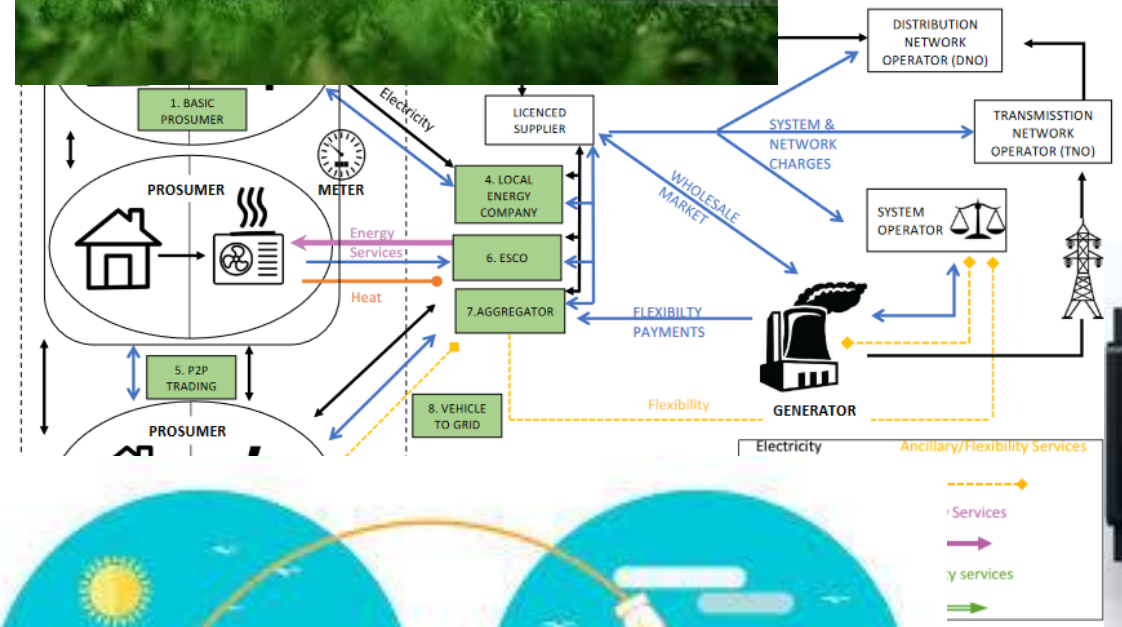
ENERGY JUSTICE FOR ALL



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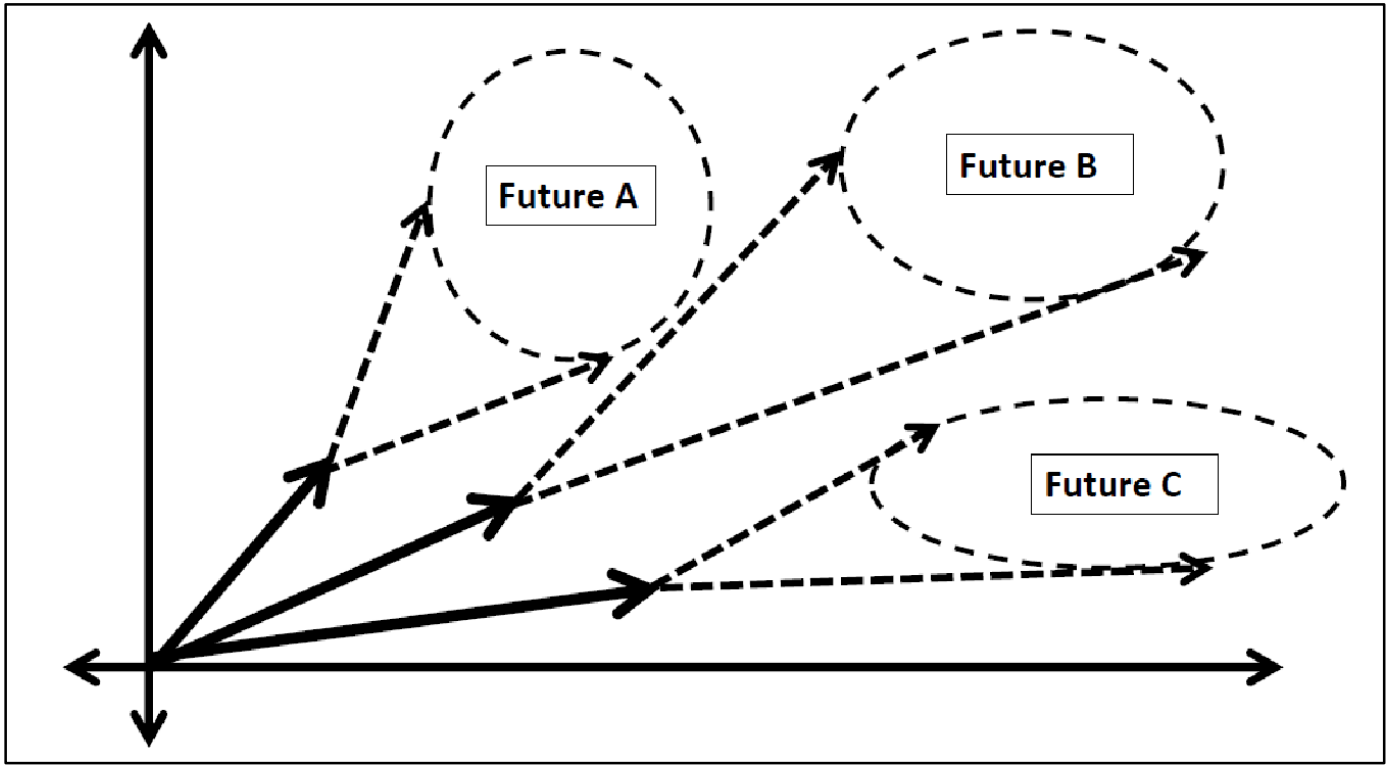
Mainstreaming prosumerism



Different **futures** are possible.

A **roadmap** sets out pathways to reach specific objectives/targets within a specified timeframe.

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Roadmap for mainstreaming prosumerism

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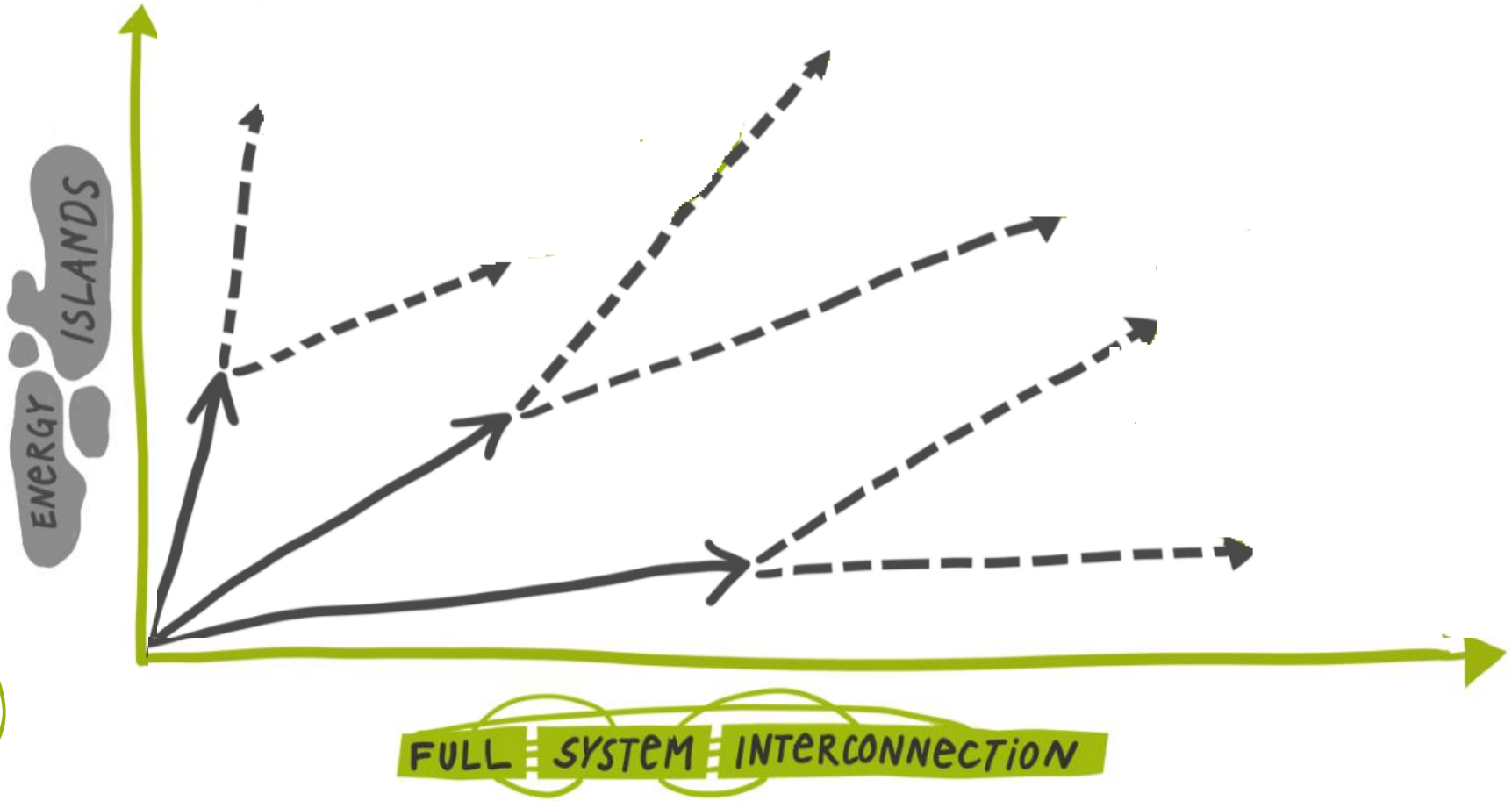
Roadmap for mainstreaming prosumerism



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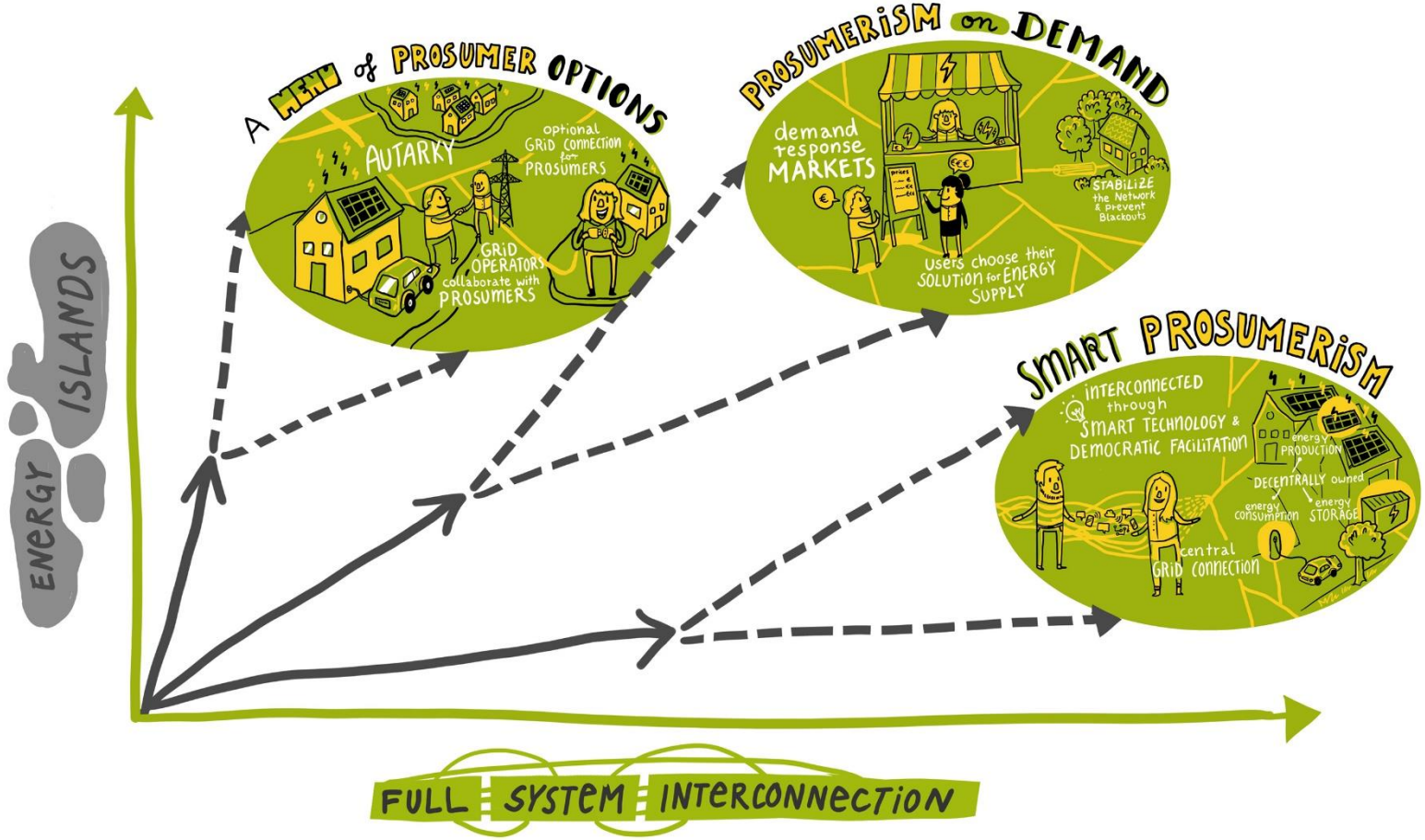

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Guiding questions

- *What does a desirable decentralised and digitalised energy system look like to prosumers?*
- *Which conditions (social, economic, technological, ethical, security and data protection, educational, and financial) need to change to get there?*
- *How do these futures relate to the ongoing transposition of the Renewable Energy Directive (REDII) into national policies in the EU member states?*

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Goals and aims of today

Dive into future energy system configurations

Share research-based insights

Exchange between participants

Co-create a roadmap for the mainstreaming of prosumerism

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Programme

10:00 - 10:25	**Welcome** • *Introduction: PIA scene, program & objectives of the day:* by Julia Wittmayer (PROSEU/DRIFT) • *Setting the (EU) regulatory scene:* by Kristian Petrick (Eco Union) and Marta Toporek (PROSEU/ClientEarth)
10:25 - 10:35	**Speed Dating**
10:35 - 11:05	**Highlight #1: 'Technical scenarios of renewable power integration, a multi-level perspective. Exploring the full potential of prosumer technology'** By Borna Doracic (PROSEU/UNIZAG), & Nanda Naber (PROSEU/CE Delft)
11:05 - 11:15	**Break**
11:15 - 11:20	**Plenary instructions and information on tensions** • Between of the grid islands and full systems integration • Short brief on the backcasting exercise
11:20- 12:10	**Interactive roadmapping - I** *Interactive group work: designing a roadmap towards energy system futures.* • Group 1: A Menu of Prosumer options • Group 2: Prosumerism on demand • Group 3: Smart Prosumerism
12:20 - 13:20	**Lunch**

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12:20 - 13:20	**Lunch**
13:20 - 14:40	**Highlight #2: Enabling Energy Islands or Full Connected Communities** In this highlight we will go deeper into specific issues of systems integration and Prosumerism development. • **System Integration of Prosumers: system effects and costs,** by Andreas Jahn (Regulatory Assistance Project, DE) • **Electricity sharing from a regulatory perspective** by Xavier Hansen (Institut Luxembourgeois de Régulation, LUX) • **Smart Grids Energy Systems,** by Florijn de Graaf (Spectral, NL) • **How can or should the local governments support?** by Alix Bolle (Energy Cities, BE/EU)
14:40 - 14:50	**Break**
14:50 - 15:45	**Highlight #3: Technical recommendations based on polls and feedback on the quantitative output** *14:50 - 14:55* Presentation of the draft technical recommendations *14:55 - 15:05* Plenary discussions and polls *15:05 - 15:30* Breakout groups: in depth discussions on: 1. Technical issues 2. Regulatory and financial issues *15:30 - 15:45* Feedback from the groups in plenary
15:45 - 16:00	**Closure** Julia Wittmayer, PROSEU/DRIFT & Marta Toporek, PROSEU/ClientEarth

Online etiquette

Always start with your **video** turned on - it's nice to know who's in the room and wave hello!

Focus on the workshop and avoid multi-tasking - similar to an actual workshop, your presence is key

Speak into the **microphone** and **mute yourself** when you are not speaking

If you have a **question**, write it in the chat.

Be **patient** and willing to experiment!

Nena Bode is our **technical host**

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Into the roadmapping

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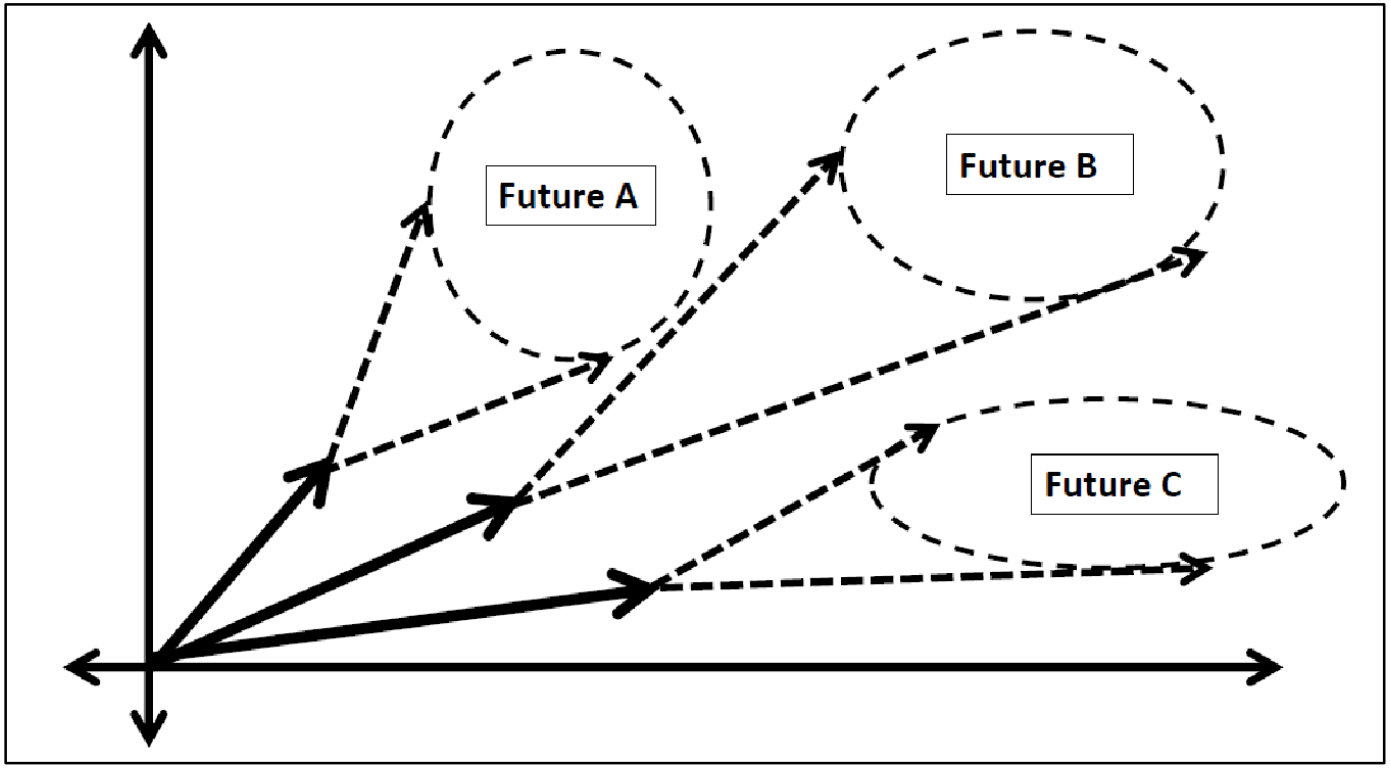
Mainstreaming prosumerism



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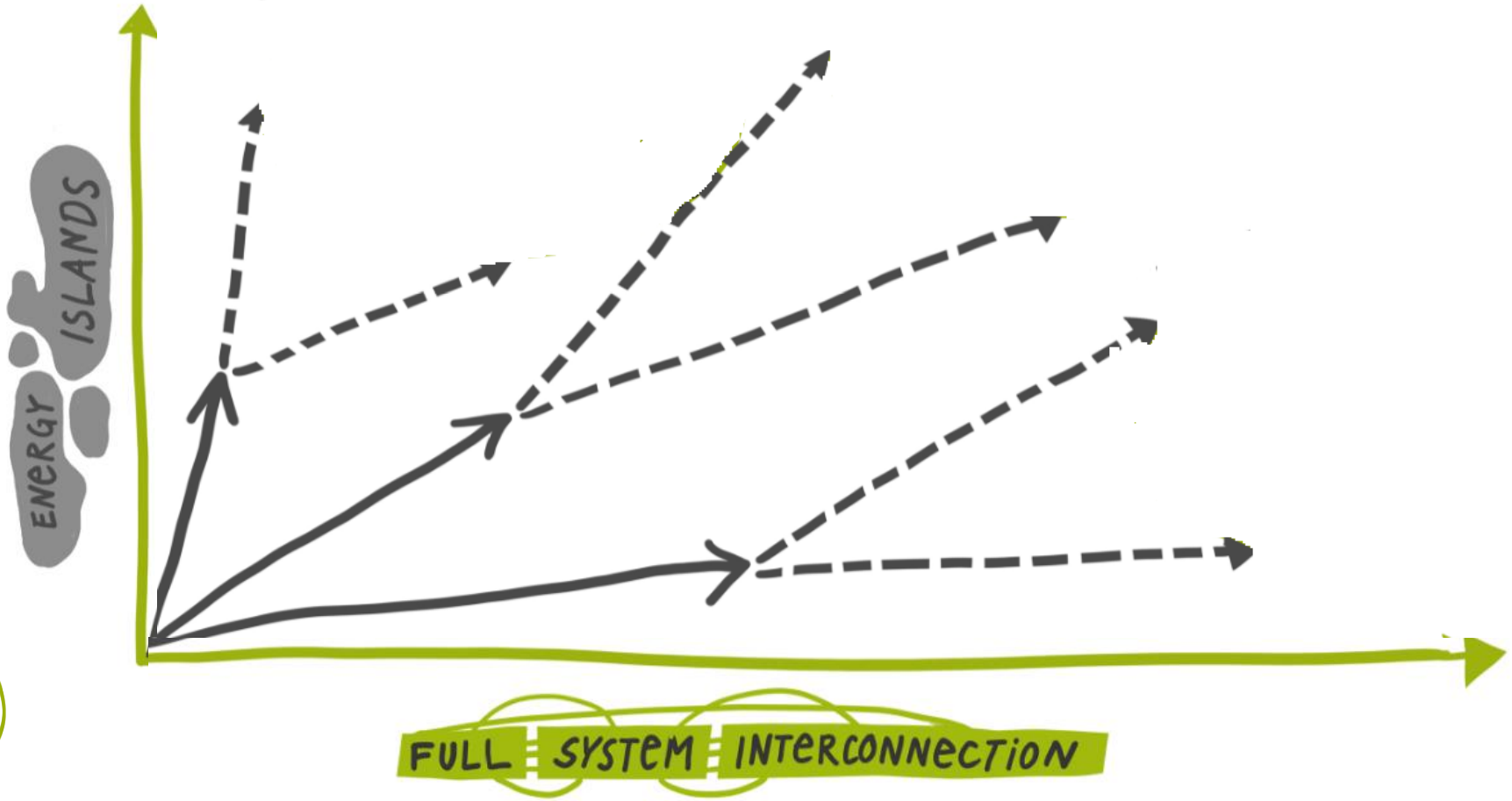

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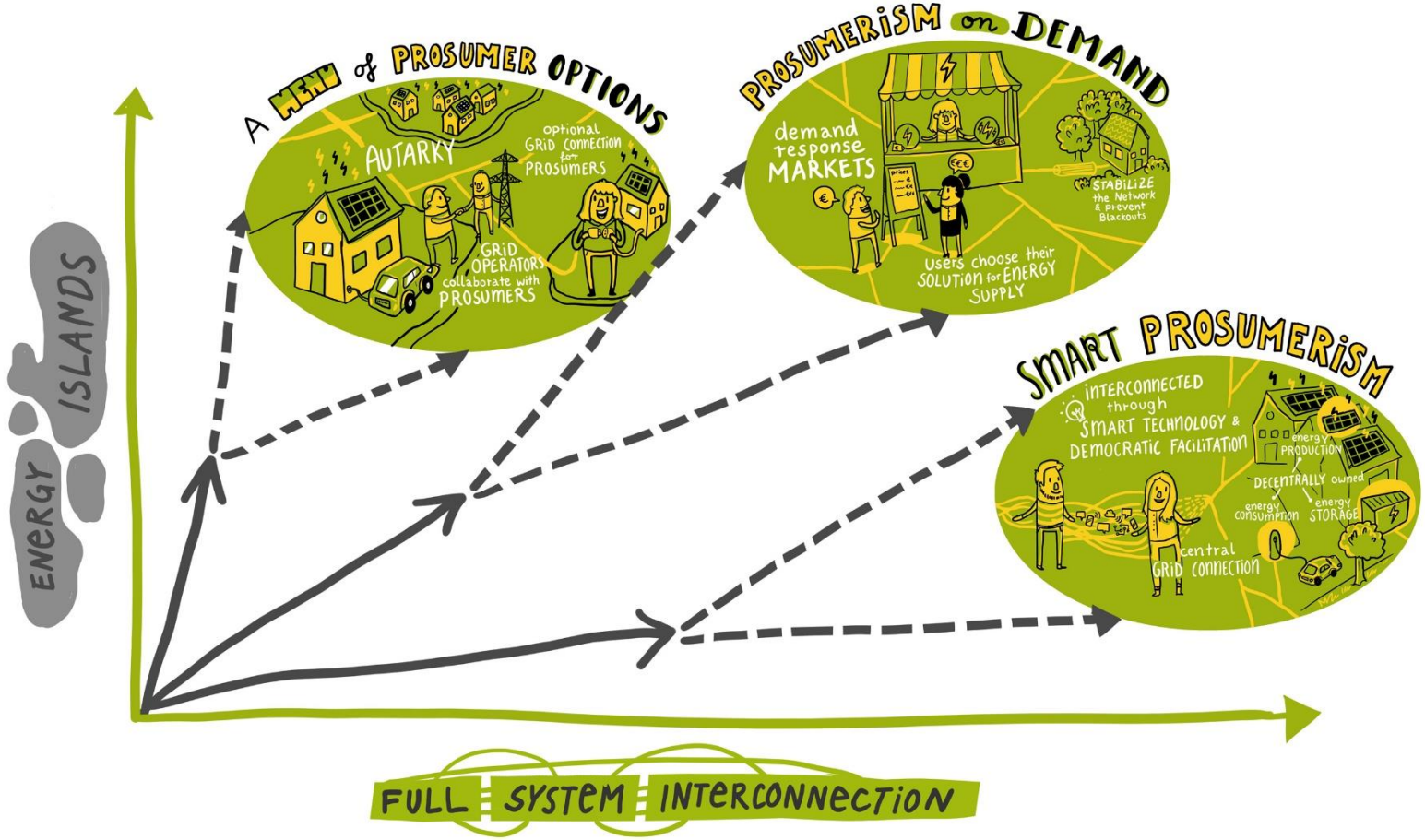

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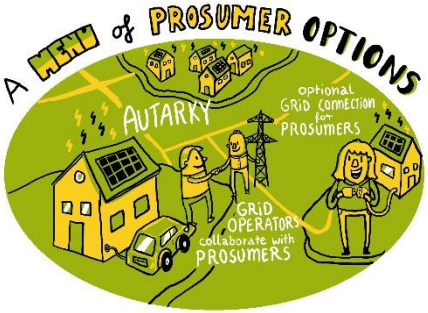
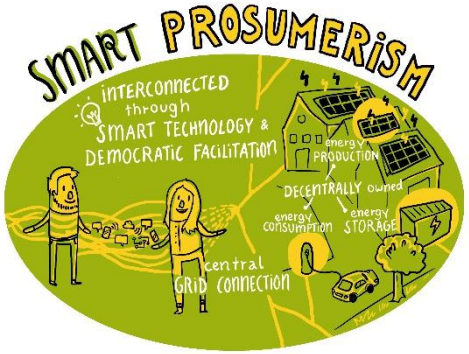
Break-out groups





2020 2030 2040 2050