



ETIP SNET PLAN.
INNOVATE.
ENGAGE.



European Technology and Innovation Platform

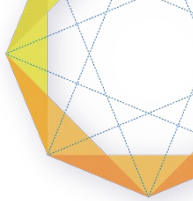
Smart Networks for Energy Transition

2nd Regional Workshop 2021

**WG5: INNOVATION IMPLEMENTATION IN THE BUSINESS
ENVIRONMENT – Assessment of projects**

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ETIP SNET WG5
9 November 2021

About WG5



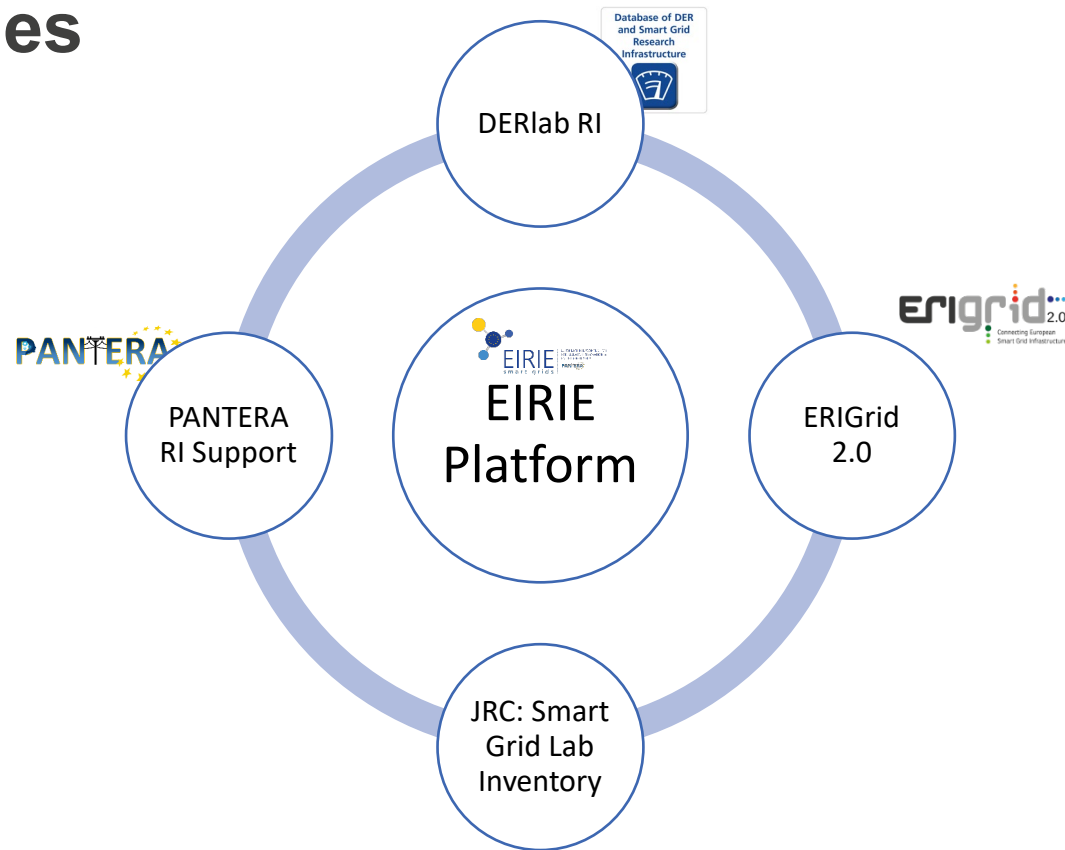
Objective: Mobilize experts in support of R&I work in EU to reach the market and to this effect work closely with all WGs of ETIP SNET to utilize project results in support of R&I needs for the years to come. To this effect, work for enriching EIRIE, the multifunctional platform through which work with experts will be enhanced and reporting of project results much more targeted and fruitful. Apply to be a user at: <https://eirie.eu>

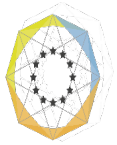
- Build **homogeneity in the analysis** of projects, work done, and lessons learned
⇒ Create a common platform
- Build a universal approach in the taxonomy of technologies that constitute the evolution of functionalities in building the smart networks of 2050 in support of the energy transition.
- Build a methodology to **judge system needs** in the energy transition capable of identifying tangible needs for building on progress made and give feedback to the other WGs for populating their R&I needs in the years ahead;



ETIP SNET WG5/PANTERA-WT1

“Research Infrastructures” ongoing activities





ETIP SNET WG5/PANTERA WT2 “Regulation & Standards” achieved activities



Presented in EIRIE platform

PANTERA RICAP process for capturing evolution of system

Destinations, Calls and Topics are identified taking into consideration the maturity of the functionalities and the advancement of technologies

Analyse

Tasks / Projects

Through

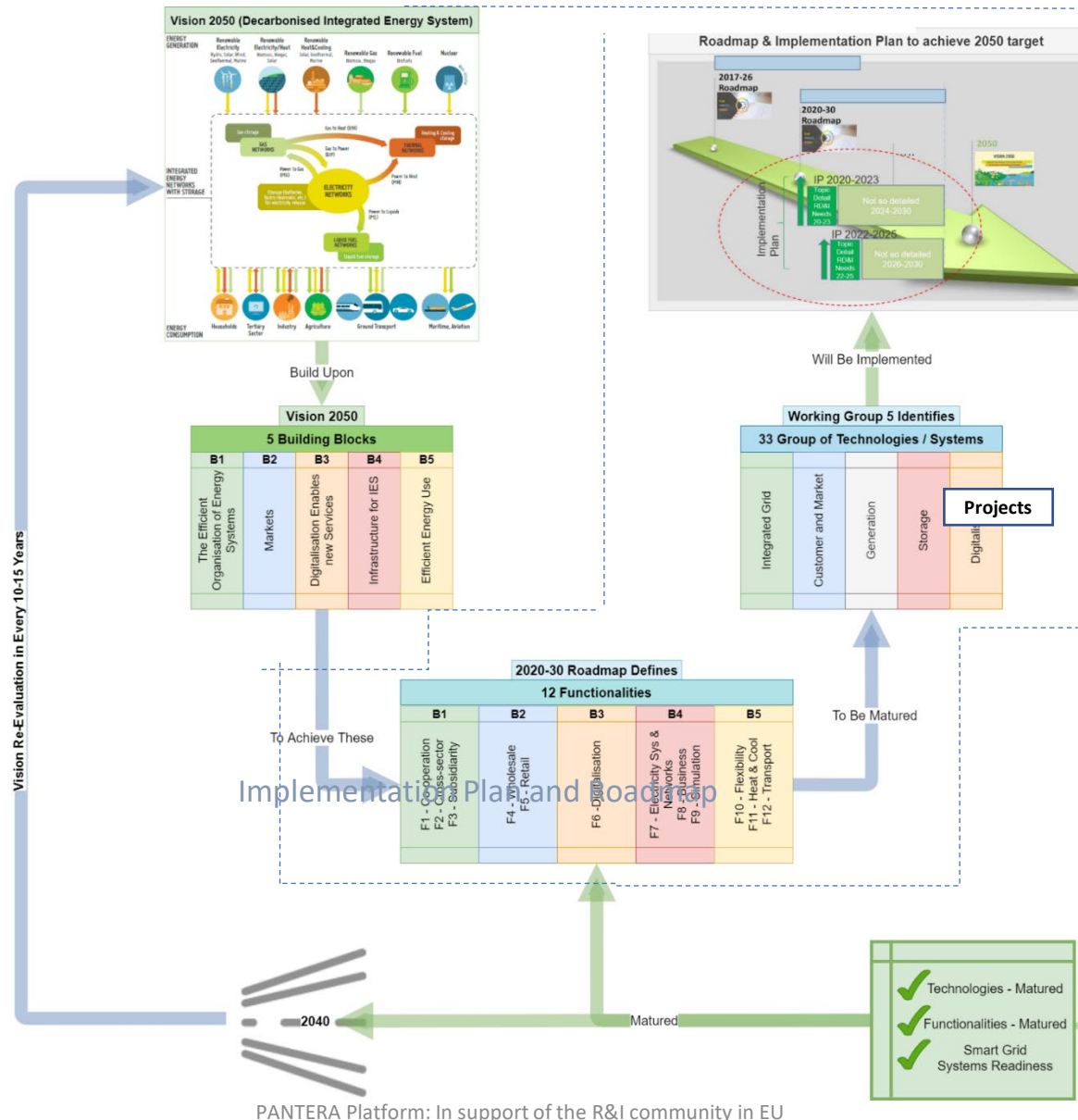
System Maturity
A Flexible & Adaptable Methodology

- ✓ Technologies - Matured
- ✓ Functionalities - Matured
- ✓ Smart Grid Systems Readiness

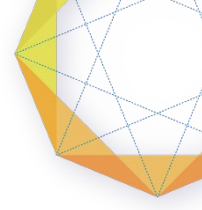
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The results of projects are a valuable source for capturing the maturity of technology evolution contributing to the maturity of the integrated system! The rolling process as build in the EIRIE platform that is planned to go live late 2021, aims to help the identification of R&I needs to populate the Ten-year Plan and subsequently the Vision of ETIP SNET.

16/11/2021



Purpose of the self-assessment



➤ ***In line with the Innovation Radar assessment***

- Promoting and showcasing emerging innovations resulting from H2020 projects
- Bringing together innovative solutions owners and investors/ incubators for facilitating the “go-to-market route”

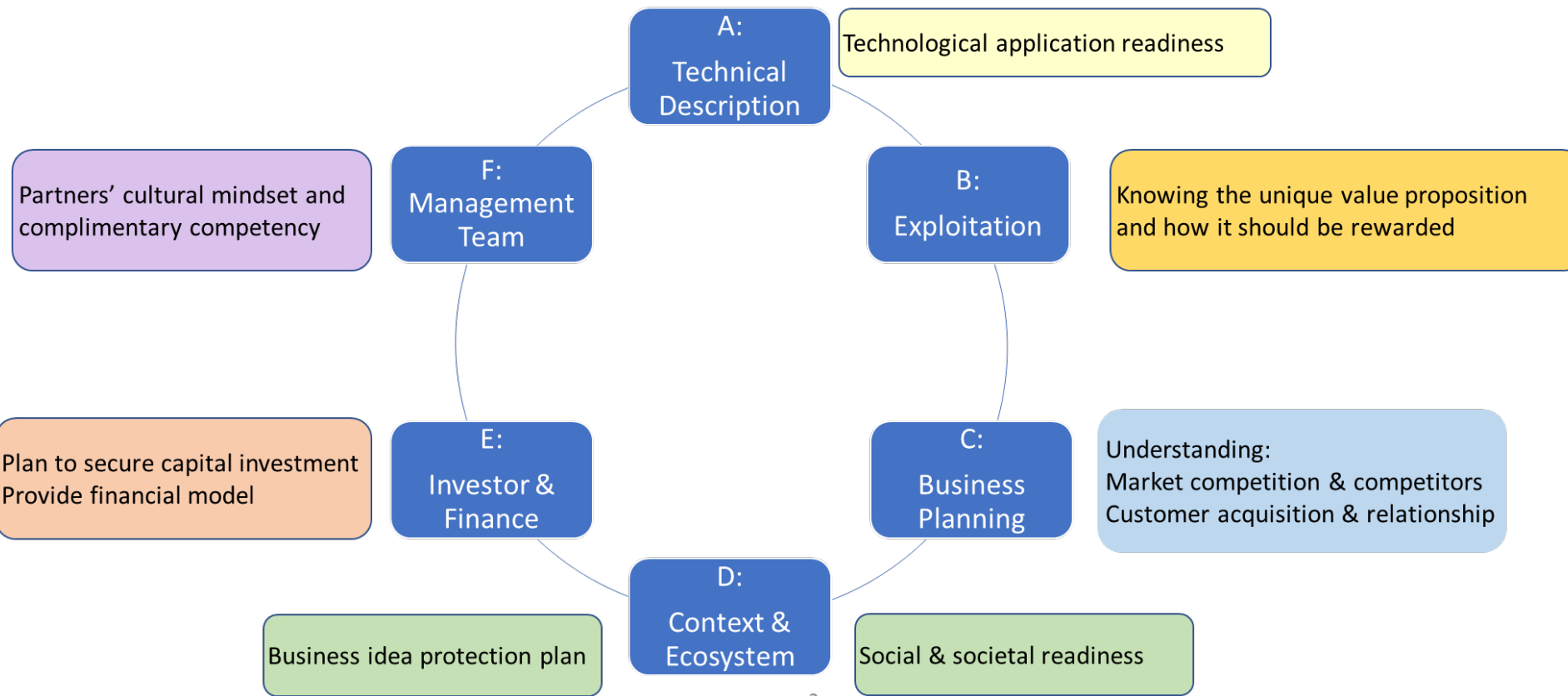
➤ ***....and beyond the Innovation Radar***

- Further deep-diving to the innovation and go-to-market enablers of most prominent solutions
- A variety of new parameters enabling more detailed (self-) assessment and revelation (self-understanding) of:
 - Strong “go-to-market” aspects and enablers
 - Aspects and enablers that need to be further improved and require further analysis and elaboration
- Promote the creation of a business ecosystem, not only for business-ready solutions, but also for promising ones that underperform in certain enabling aspects.

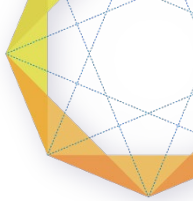
➤ ***What is on for BRIDGE and ETIP-SNET?***

- A tool to collectively analyse and assess the level of business maturity of certain clusters of technologies
- Valuable input for fine-tuning Roadmaps, Implementation Plans and WGs/ TFs activities

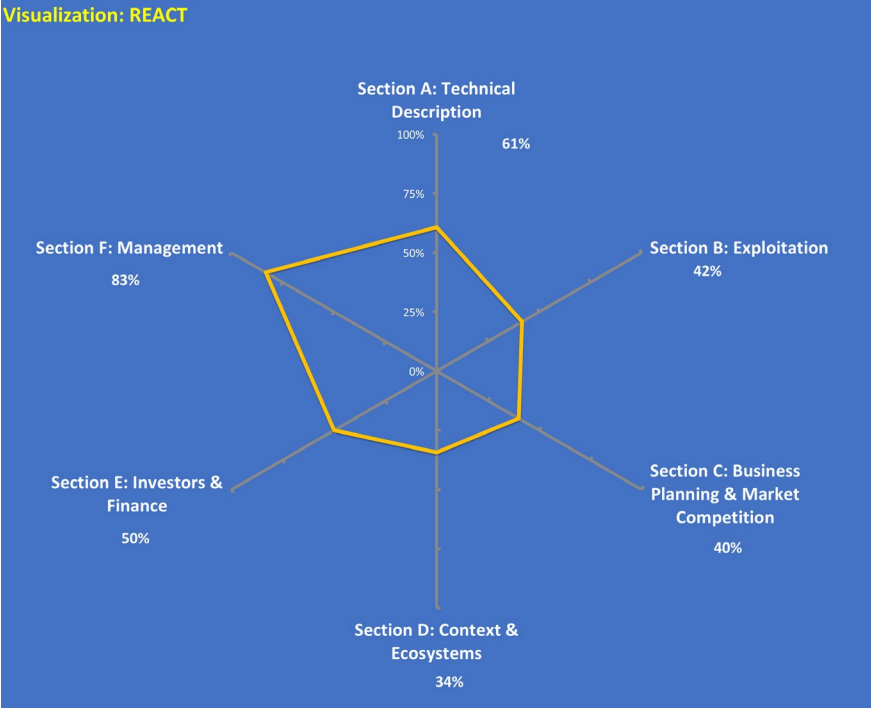
Self Assessment Toolbox Key Features



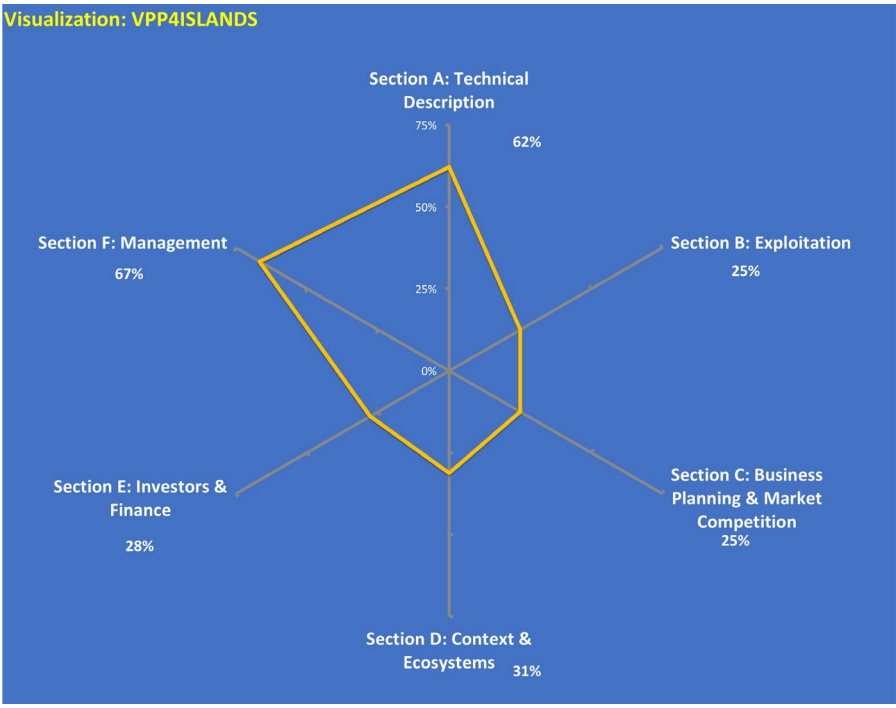
Decarbonising EU Islands



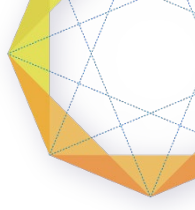
Visualization: REACT



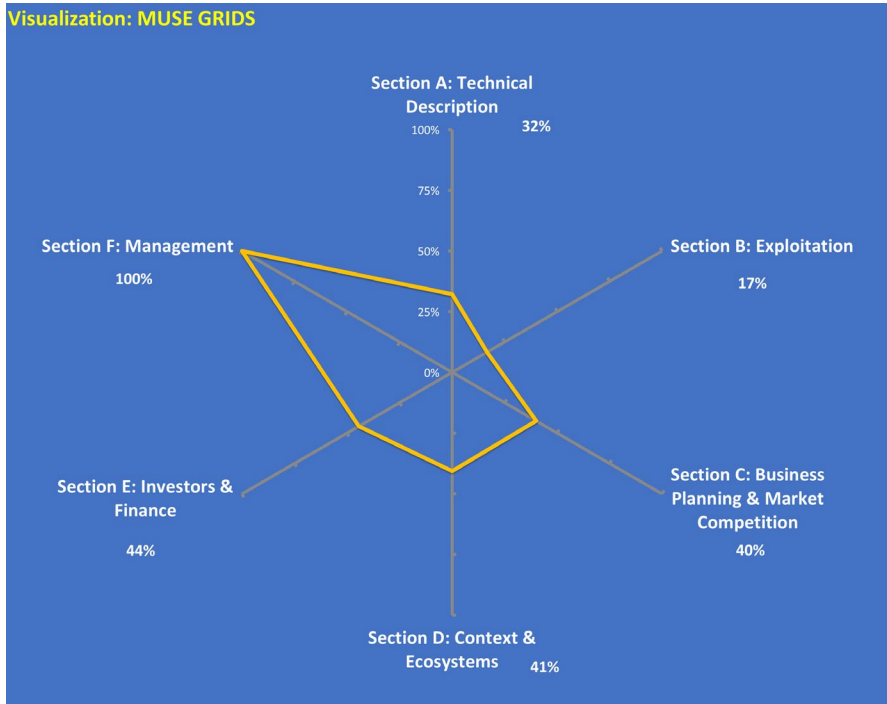
Visualization: VPP4ISLANDS



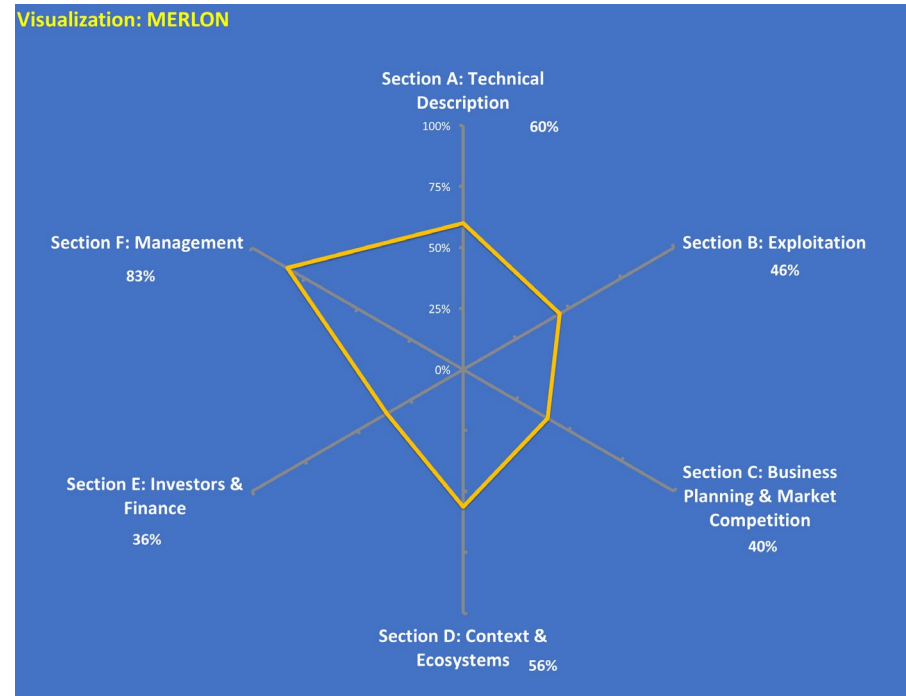
Operation of Integrated Energy Systems with High-RES Penetration



Visualization: MUSE GRIDS

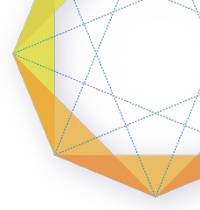


Visualization: MERLON

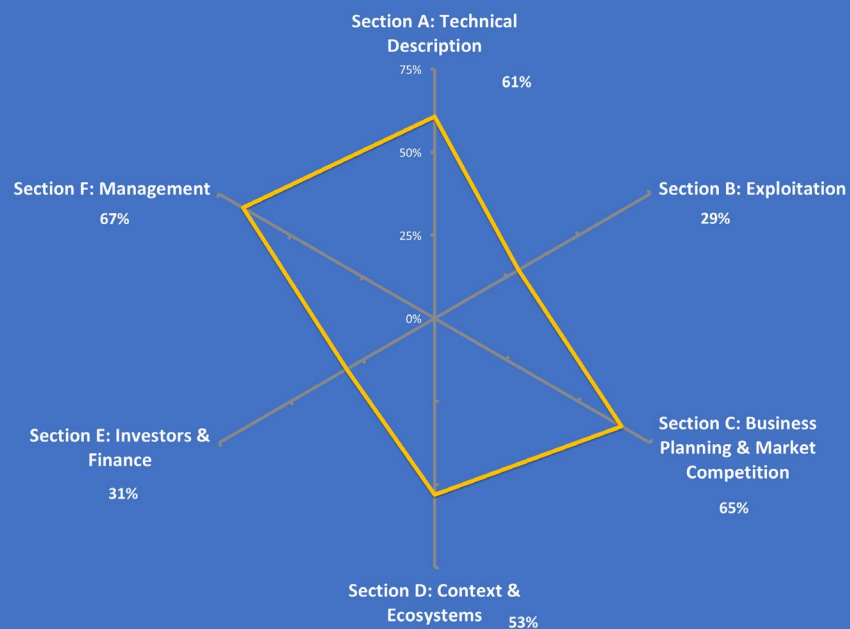


Digitalisation

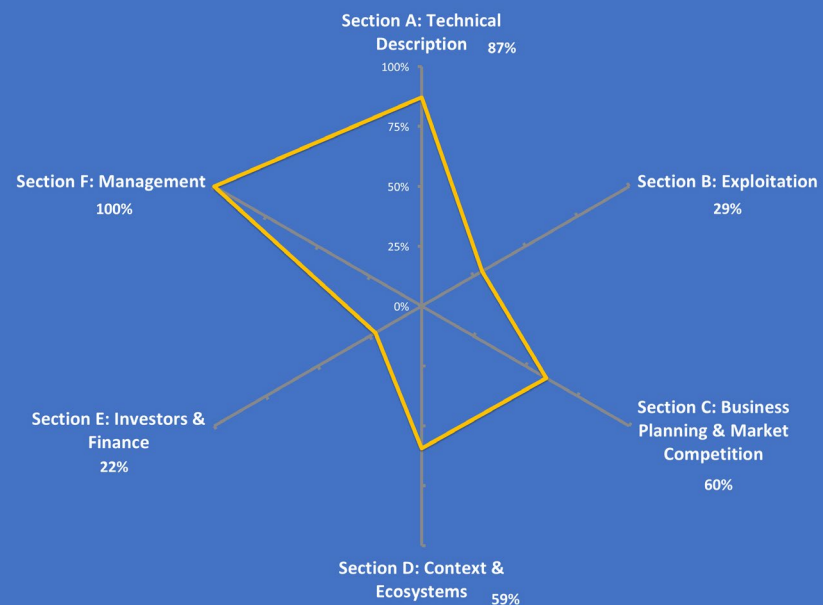
Consumer & Data



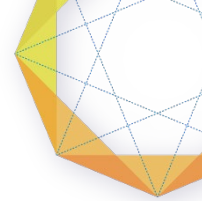
Visualization: INTERPRETER



Visualization: E-LAND



Outline: Market Uptake Barrier Assessment



	Digitalisation		Decarbonising
	Data	Intergation	
Section A: Technical Description	74%	46%	62%
Section B: Exploitation	29%	31%	33%
Section C: Business Planning & Market Competition	63%	40%	33%
Section D: Context & Ecosystems	56%	48%	33%
Section E: Investors & Finance	26%	40%	39%
Section F: Management	83%	92%	75%

SectionA:	Technological application readiness
SectionB:	Knowing the unique value proposition and how it should be rewarded
SectionC:	Market competition & competitors; Customer acquisition & relationship
SectionD:	Social & societal readiness; Business idea protection plan
SectionE:	Plan to secure capital investment; Provide financial model
SectionF:	Partners' cultural mindset and complimentary competency



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Thank you for your attention

