



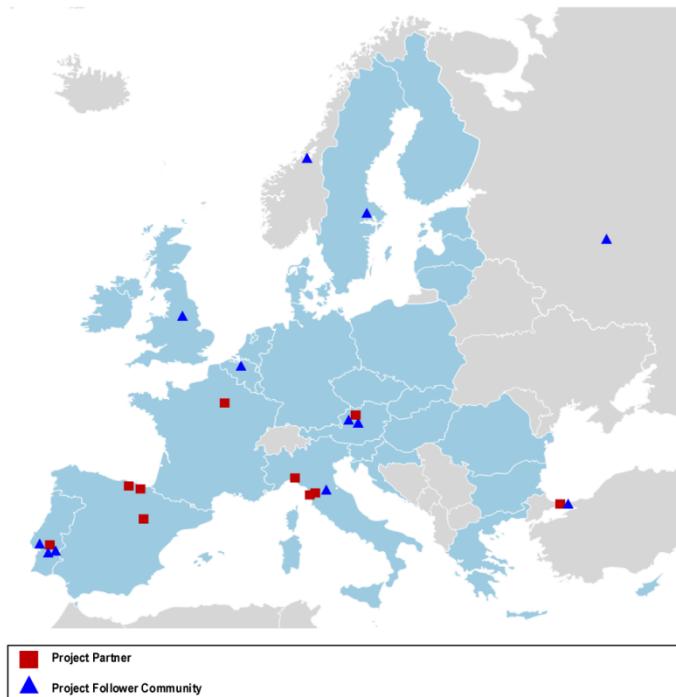
S-PARCS

**ENVISIONING AND TESTING
NEW MODELS OF SUSTAINABLE
ENERGY COOPERATION AND
SERVICES IN INDUSTRIAL PARKS**

**Presenter: Valerie Rodin, MSc.
Energieinstitut an der Johannes Kepler Universität Linz**

This project has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement No 785134.

Full title:	Envisioning and Testing New Models of Sustainable Energy Cooperation and Services in Industrial Parks
Type of funding:	CSA
Topic addressed:	Energy efficiency of industrial parks through energy cooperation and mutualised energy services
Runtime:	March 2018 – February 2021
Partners from:	Austria, Spain, Portugal, Italy, France, Turkey
Website:	https://www.sparcs-h2020.eu/



-  **6 Countries**
-  **7 Lighthouse Parks**
-  **2 Universities**
-  **4 Research Institutes**
-  **1 Communication Expert**
-  **22 Followers**





S-PARCS

IEWT 2019

FOCUS:
(OVERCOMING)
BARRIERS TOWARDS
INDUSTRIAL ENERGY
COOPERATION

This project has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement No 785134.

AIM:

Identification of technical as well as non-technical barriers of solutions identified in WP1, Task 1 and clustering them with respect to their organizational, financial, legal, technical and social aspects.

Method:

- Literature research, internal workshops and company interviews
- Identifying barriers / opportunities of existing (sustainable) industrial parks
- Clustering and describing these barriers

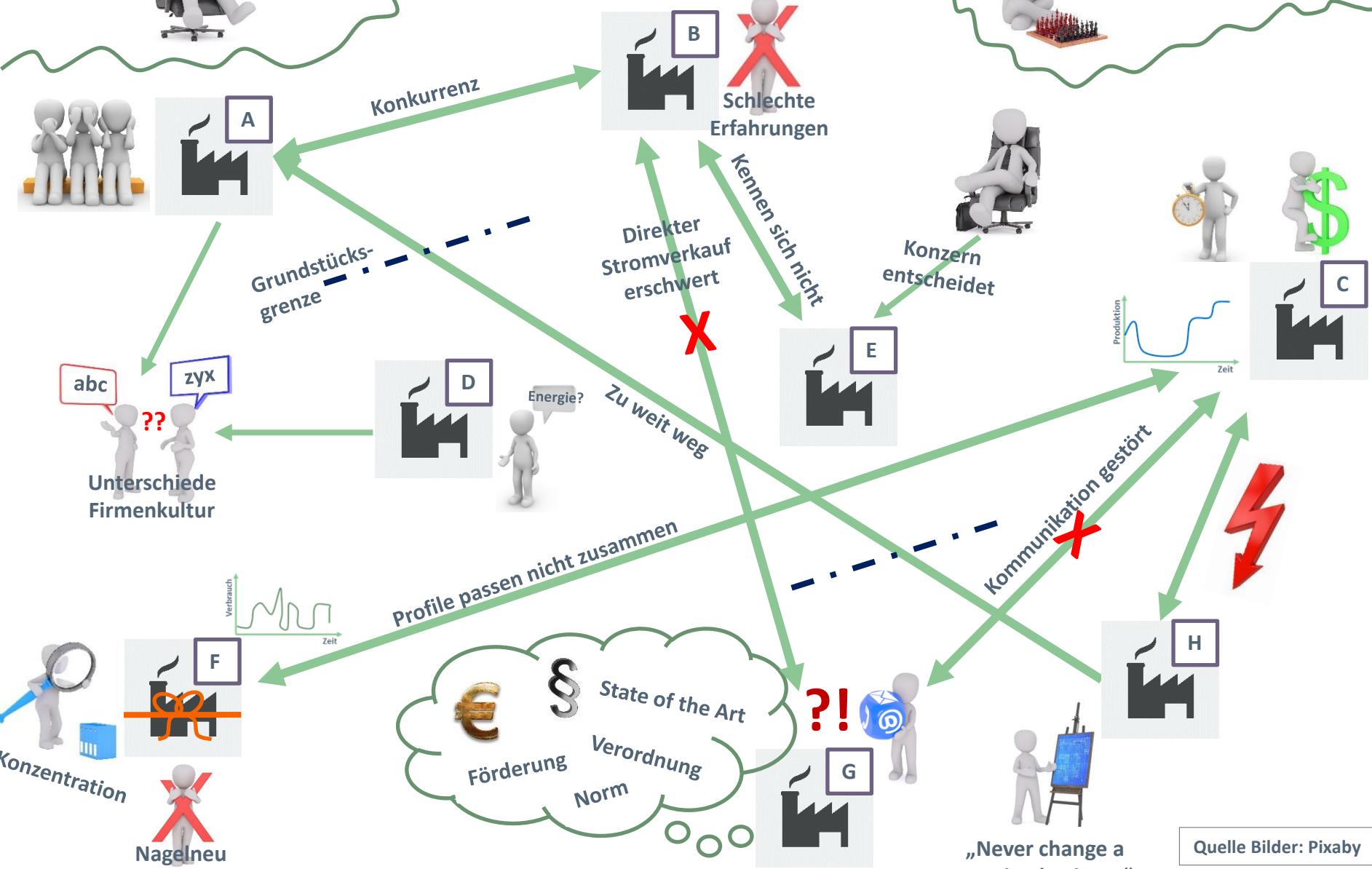


Parkmanagement
nicht verantwortlich

BARRIERS



? Politische
Strategie



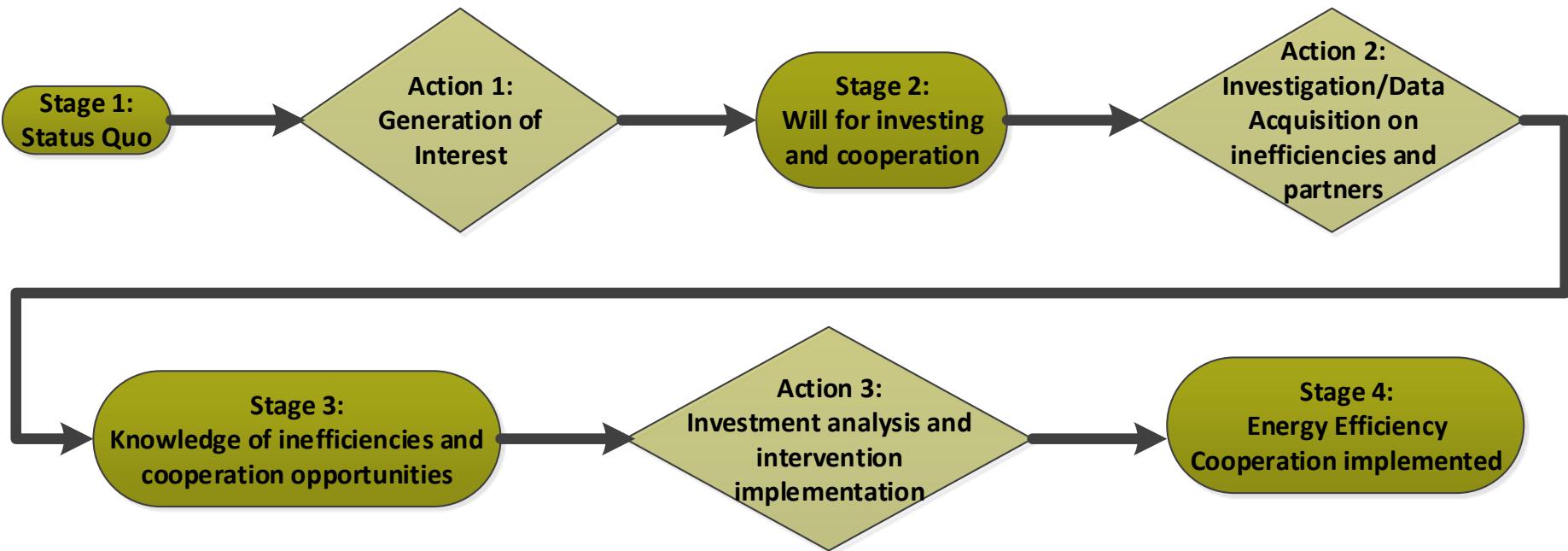
Quelle Bilder: Pixaby

The methodology is based on the following categories of **clusters**:

- Financial / Economic
- Social / Organizational
- Frameworks
- Technical / Engineering
- Information Provision

Barrier Clusters	Origin of Barrier		Decision-making Step			Influence of Barriers	
	Internal	External	1) Generation of interest	2) Investigation/Data acquisition on inefficiencies and partners	3) Investment analysis and intervention implementation	General on energy efficiency	Intervention- dependent
Cluster IV: Technical/Engineering Perspective - Barriers							
Most of the energy efficiency potentials in the company have already been realised Lack of knowledge for designing, developing, constructing, manufacturing, operating and maintaining new technologies or cooperation e.g. first of its kind	I	E	1	2		G	D
Low adoption rates as of waiting before other firms have successfully adopted technology or cooperation (reliability, quality, profitability)		E	1	2	3	G	

The identified barriers were applied to a **Decision Flow Chart** developed for the implementation of energy cooperation solutions.



- Barriers derive from various scientific areas
- Some barriers are also relevant for intra-company energy measures
- Some barriers only occur in case of cooperation
- Some barriers are tightly connected to specific countries/regions/markets:
 - Legal barriers
 - Economic barriers
- Often technical or economic barriers are seen as the most relevant barriers
- Followed by legal / framework barriers

In reality, social / organizational and information provision barriers are often the most crucial barriers for industrial energy cooperation

Since “industry” is a very wide-ranging term, the manifold cooperation possibilities available and because of varying conditions for different regions, no final statement about the “most important” barrier can be made.

Schließen Sie sich der Follower Community von S-PARCS an!

Verschiedenste Institutionen sind bereits dabei –
Vom Industriepark bis hin zum Museum in Großbritannien, Schweden, der Türkei, Russland, Italien, Portugal, Österreich, Polen, Spanien und Norwegen!

Lassen auch Sie sich nicht die neuesten Entwicklungen im Projekt entgehen!

- Nutzen Sie die Einladung zu Workshops
- Gehören Sie zu den Ersten, die Ergebnisse von S-PARCS testen dürfen
- Nutzen Sie gewonnene Erkenntnisse, um Ihren Standort zu attraktiveren



<https://sparcs-h2020.eu>

Fragen?

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Anhang



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OBJECTIVES

1. Increase competitiveness by developing, testing and deploying **replicable instruments for energy cooperation**
2. Develop, test and deploy replicable business **models for joint contracting of energy services** for industrial parks
3. Contribute to the creation of **legal and regulatory frameworks** that accelerate and facilitate the adoption of innovative instruments for energy cooperation
4. **Build capacities** and increase the skills and competencies

ACTIVITIES

1. **State of the art of energy cooperation** in industrial parks – solutions opportunities and barriers will be identified
2. **Envisioning innovative instruments and business models** for enhancing energy cooperation
3. Development of the **Industrial Park Service Initial Assessment Tool**
4. **Support industrial parks** in enhancing energy cooperation

