



An example of a successful neural network: WIRE COST Action & project PYRAGRAF

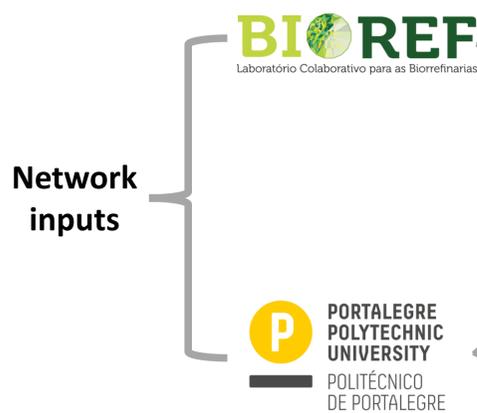
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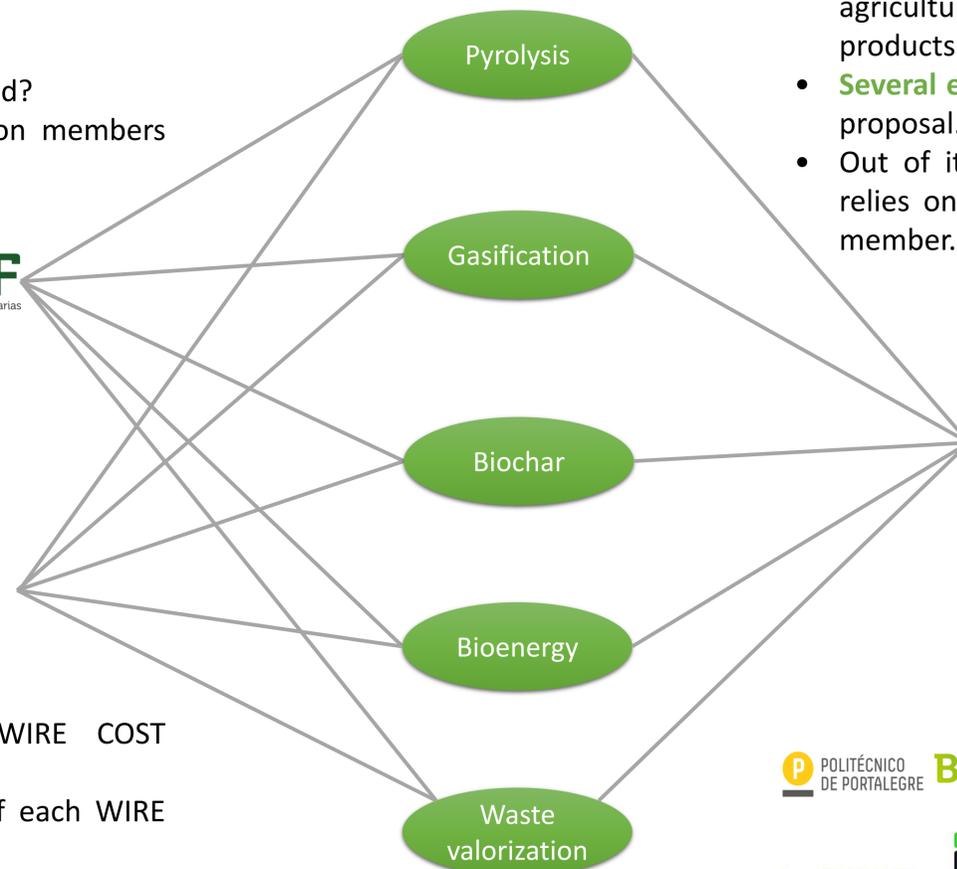
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WIRE COST Action as Neural Network

- There's an idea. And now? It's time to look for partners.
- How to build a neural network?
- What kind of **know-how** is needed?
- Are there any WIRE COST Action members with this know-how?

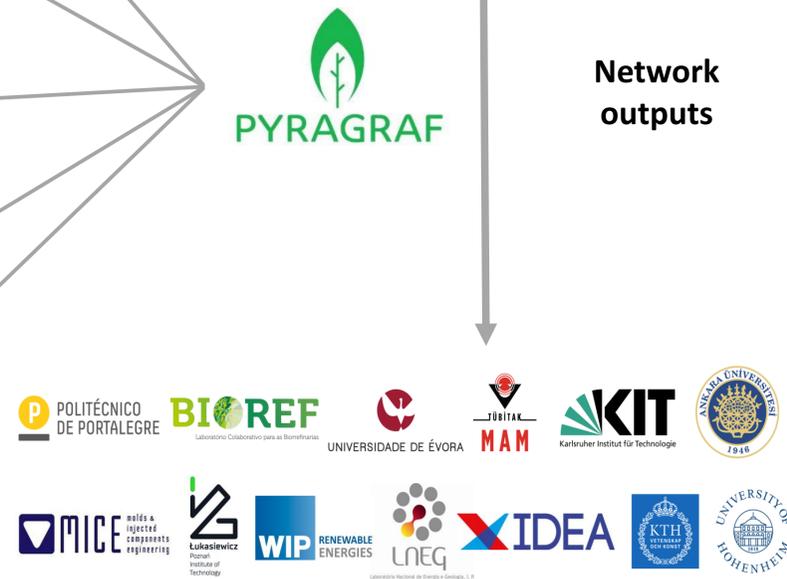


- Know-how sharing between WIRE COST Action members.
- **Increase the contact** network of each WIRE COST Action member.
- Easy to create consortia or partnerships.
- Greater potential for **obtaining financing**.



Fields of expertise / Know-how

- An example of a successful neural network: **PYRAGRAF project**.
- The PYRAGRAF project aims to create a mobile, all-in-one system to showcase the conversion of agricultural and forestry waste into valuable products through pyrolysis.
- **Several expertise** were needed to accomplish the proposal.
- Out of it's 13 partners, PYRAGRAF's consortium relies on **6 partners** that are WIRE COST Action member.



Network outputs

Objectives and outlook

- Develop a network based on the know-how of WIRE COST Action members. —————> **WG2 and WG4**
- This network will allow the creation of consortia or partnerships in projects quickly, eliminating the initial barriers to their construction or the time-consuming brokerage and networking events. —————> **Online & real-time collaborative platform**
- This network creation will improve the development and implementation of waste biorefinery technologies. —————> **For all ~400 WIRE members**
- The development of neural networks will propose innovative solutions to accelerate the implementation of sustainable energy processes.
- These neural networks will reduce the gap between the initial idea and its realization. —————> **e.g., Reducing proposal preparation time**

Potential collaborations and outcomes

- Researchers, research groups, companies, industries and stakeholders have easier access to a database that provides relevant information on successfully created neural networks.
- Companies, industries and stakeholders looking for a particular area of expertise to solve industrial problems or implement relevant technologies using information from an existing neural network.

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