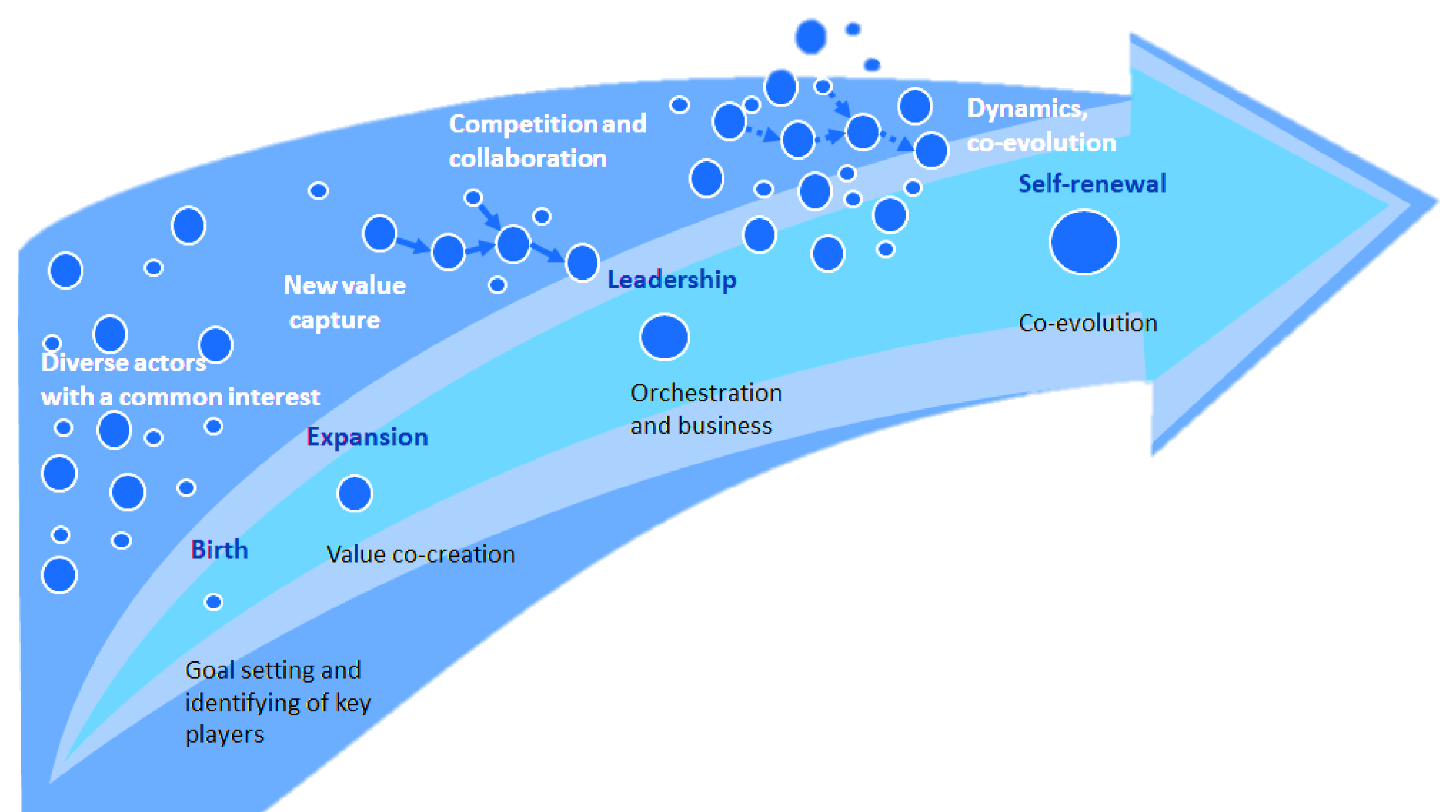


Nuclear Energy Ecosystems

Olli Soppela, VTT Technical Research Centre of Finland Ltd

Ecosystems for Business

Nuclear Energy Ecosystem activities provide opportunities for collaboration in the form of mutual learning and planning during Round Table discussions and Open Business Events. Ecosystem helps the partner companies to strategically position themselves in the emerging Nuclear Energy lifecycle management projects. A wide array of activities from project management, supply chain logistics, research, regulation adaptation, licensing learning management, operational design and decommission activities have industrial overlaps that are most cost-efficient to provide through collaboration.



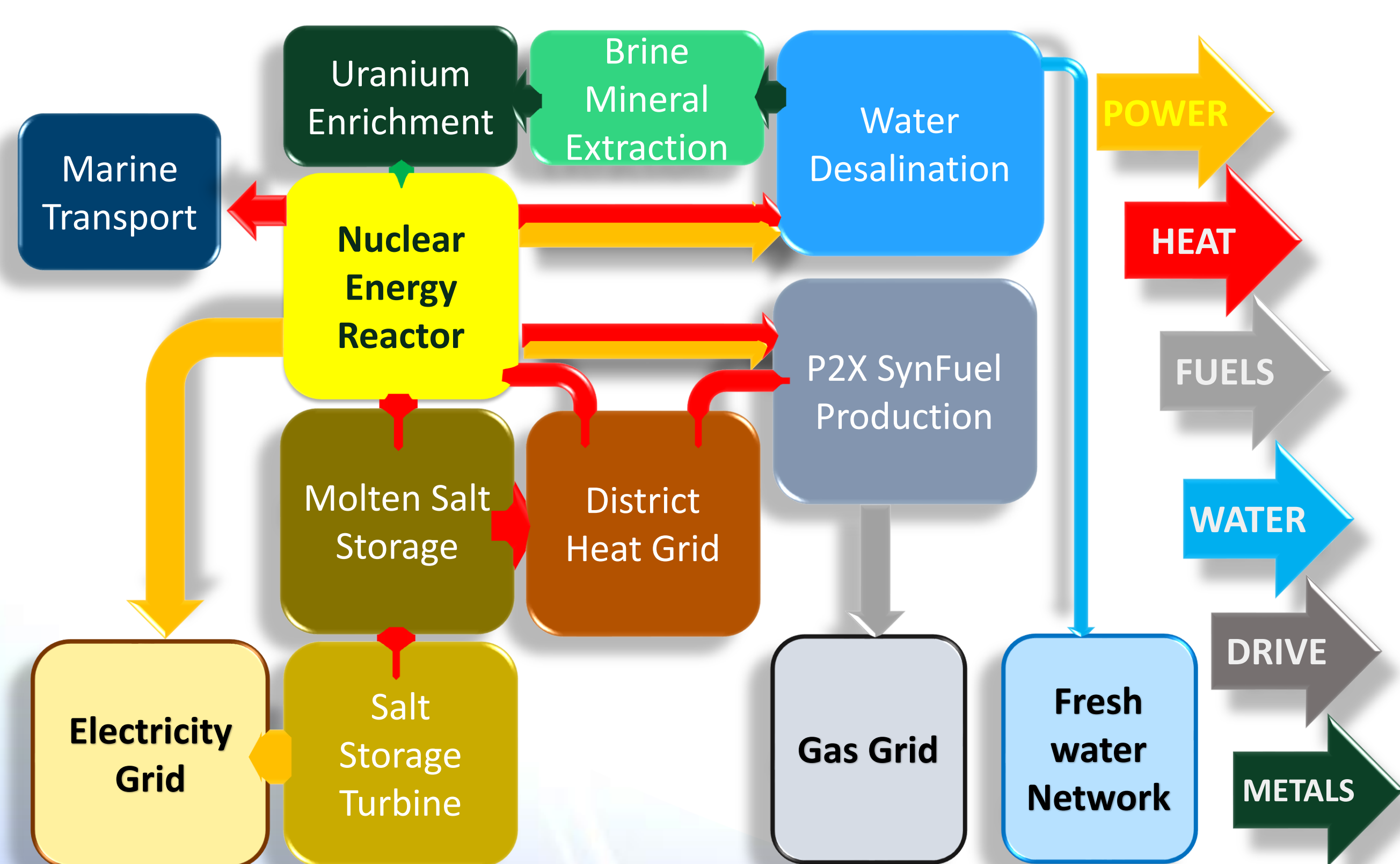
Ecosystems cultivate sparse networks to merge larger and more clearly specified collaborative projects

Ecosystems for Climate Action

Business Ecosystem able to produce modular reactor components can supply energy industries such as heat, power, hydrogen manufacturing and maritime businesses as well as industrial processes such as seawater desalination plants, chemical processing and food industries – all crucial sectors for reducing carbon footprint and adapting to climate change.

Ecosystems for Research Collaboration

Co-creation and co-innovation processes enable specialist companies to merge their ideas and value proposal requirements into co-funded research projects. This will unlock key knowledge and understanding for nuclear energy companies to proceed with their safety planning and business development. The most valuable outcome of the collaboration is to identify the right technology tree and supply chains to make production processes safe, scalable and resource-efficient.



Nuclear Ecosystem Map illustrates how Nuclear Energy Sources can be utilized in different types of industrial ecosystems.

Nuclear Energy Ecosystem Projects

EcoSMR

dECmm

finnfusion

FINUELS