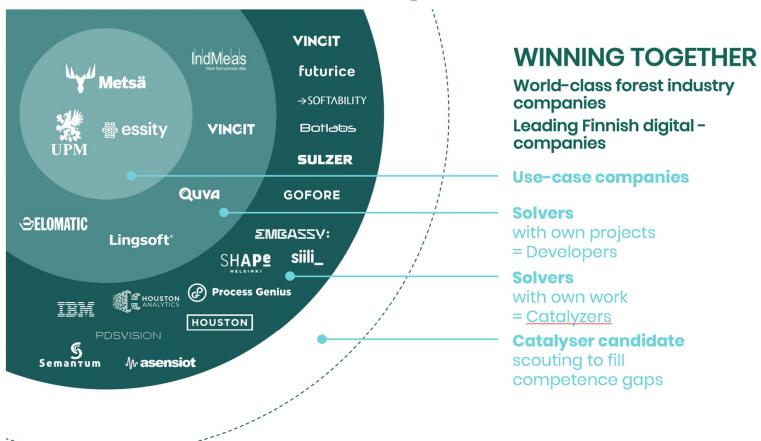
Towards SEED Forest ecosystem Collaboration platform for holistic sustainability development



SEED ecosystem for forest industry digitalisation



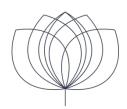




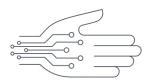




SEEDForest Sustainability / Twin transformation in the core



We take bold steps for **twin transformation** in process industry.



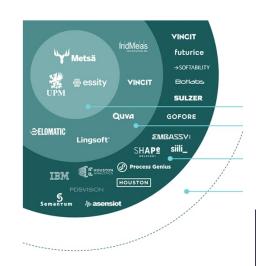
We build positive sustainable impact with **holistic innovations** based on research, new collaboration synergies and smart use of digitalization.



We build **close collaboration** between industry and research. We share together the vision, targets and raodmaps.

SEEDForest focus: forest, chemical + new bioproduct industry

Phase 1 (SEED) ended 28.2.22



Phase 2 building going on





Kestävän kehityksen nyrkki -Think tank for sustainability

Brings together actors with a passion for enhancing sustainable development in industry.

Catalyzes the operation of SEEDForest.

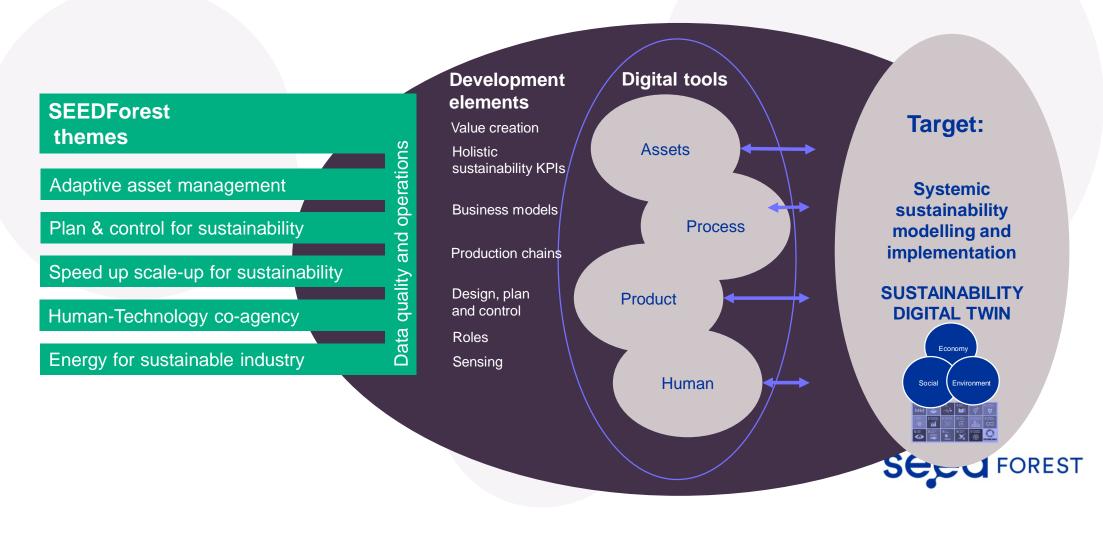
A common think tank between companies and research that identifies critical challenges for industry in developing sustainability and creates a common vision of how to move forward - together. Company members host the meetings.

Launch at the VTT seminar Strong, stronger, responsible at the seminar 19.10.

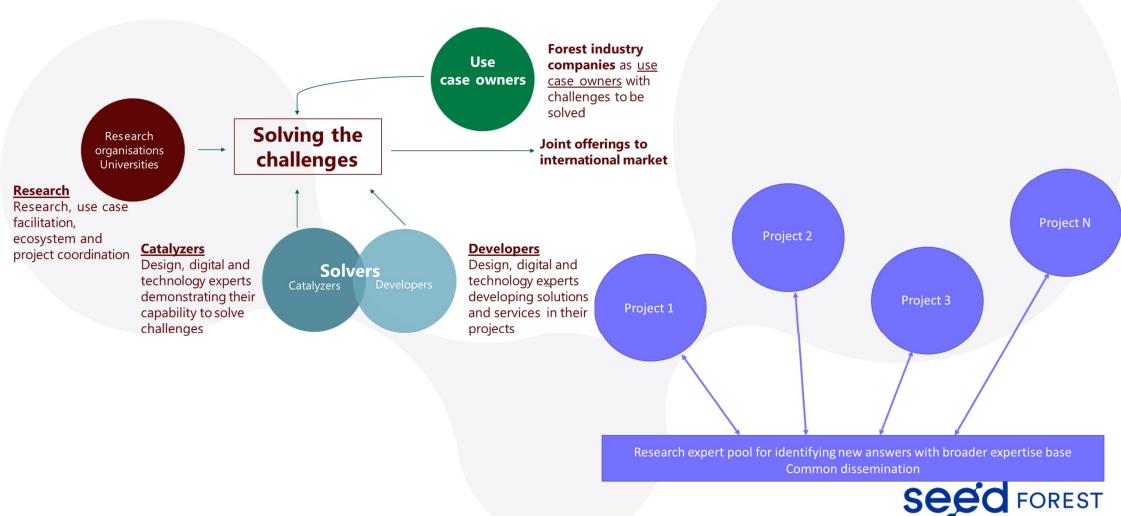
Nyrkki get-together meeting 24.11.



We have capability to model and implement systemic sustainability in process industry value network



Purpose of the platform activities



Project portfolio 2022

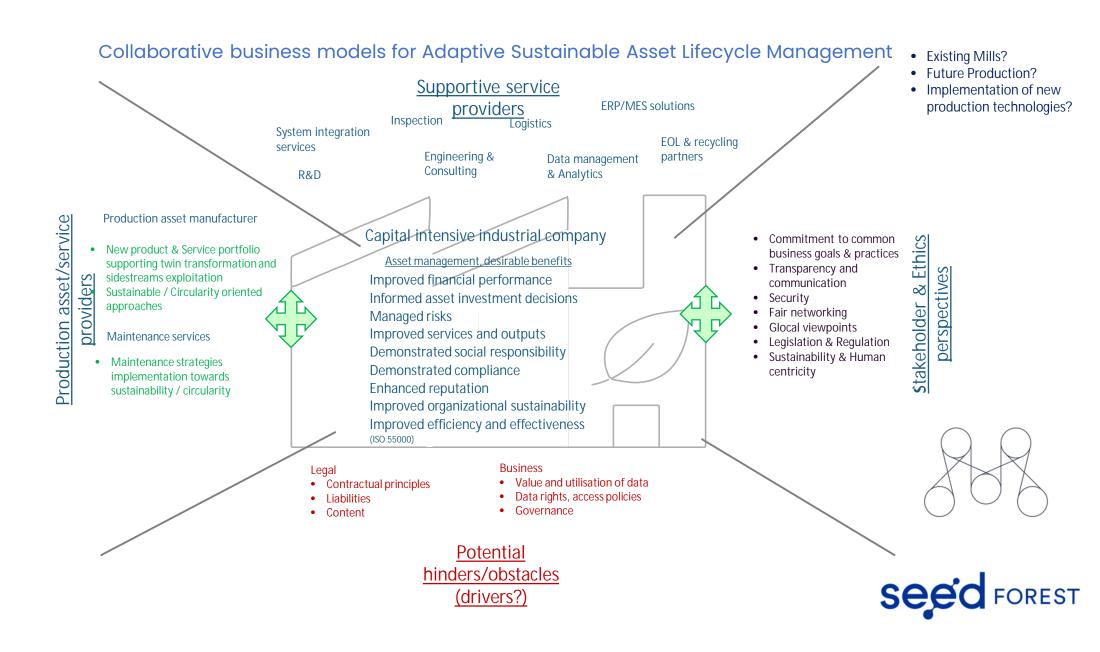
On-going projects:

- 1. COACH Human technology co-agency in process control positive funding decision by BF in June
- 2. OPTIMI Prestudy started in wk 25
- 3. REFOLUTION: Refinery integration, scale-up and certification for aviation and marine biofuels production EU project, positive funding decision in July
- 4. Kilpailukykyä datasta SITRA's ongoing project

In preparations:

- COLIFE Collaborative business models for lifecycle asset mgmt: discussions going well the next preparation WS September 7th (Metsä, SAP, VTT, LUT)
- 2. OPTIMI Optimization for extended requirements planning starts in the prestudy work
- 3. Agile model factory: more and new focusing is needed, AI engineering will be added in the scope
- 4. Low heat utilizing heat pumps: the plan presented to BF, one more company needed to join the consortium





Results from SEED project: Available at https://seedecosystem.fi/at-spotlight/



Thank you!

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