NTNU Digital – Status and plans ahead 29/11 NGINO

John Krogstie – Director NTNU Digital (since March 1. 2022)

Synnøve Stølen - Coordinator (since June 1. 2022)

John, Director

Synnøve, Coordinator

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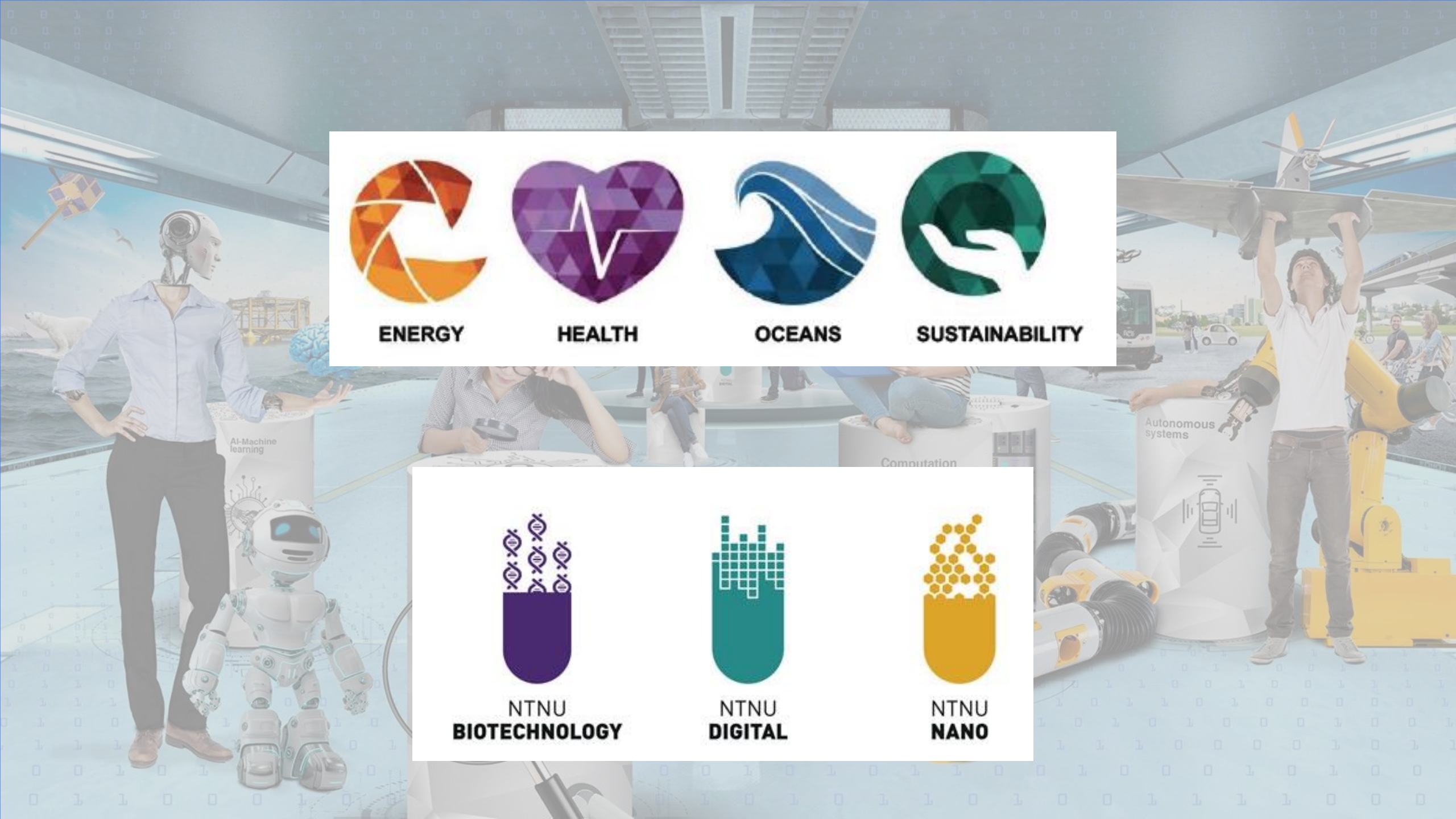
ENABLING TECHNOLOGY



ENERGY HEALTH OCEANS SUSTAINABILITY

NTNU BIOTECHNOLOGY

NTNU DIGITAL

NTNU NANO

NTNU Digital – focus-areas for generic ICT

SFI 2020

AI / machine learning

- BigData analytics
- Internet of Things – IoT
- Smart systems
- Decision support

NORWAI

Security and reliability

- Cyber security
- Privacy
- Reliability, vulnerability
- Risk analysis

NORCICS

Areas

Autonomous systems

- Automation
- Robotics
- Navigation

Autoship

Computations

- Energy efficiency: Electronic components, architectures
- Algorithms, HPC, clusters, Cloud computing

CGF

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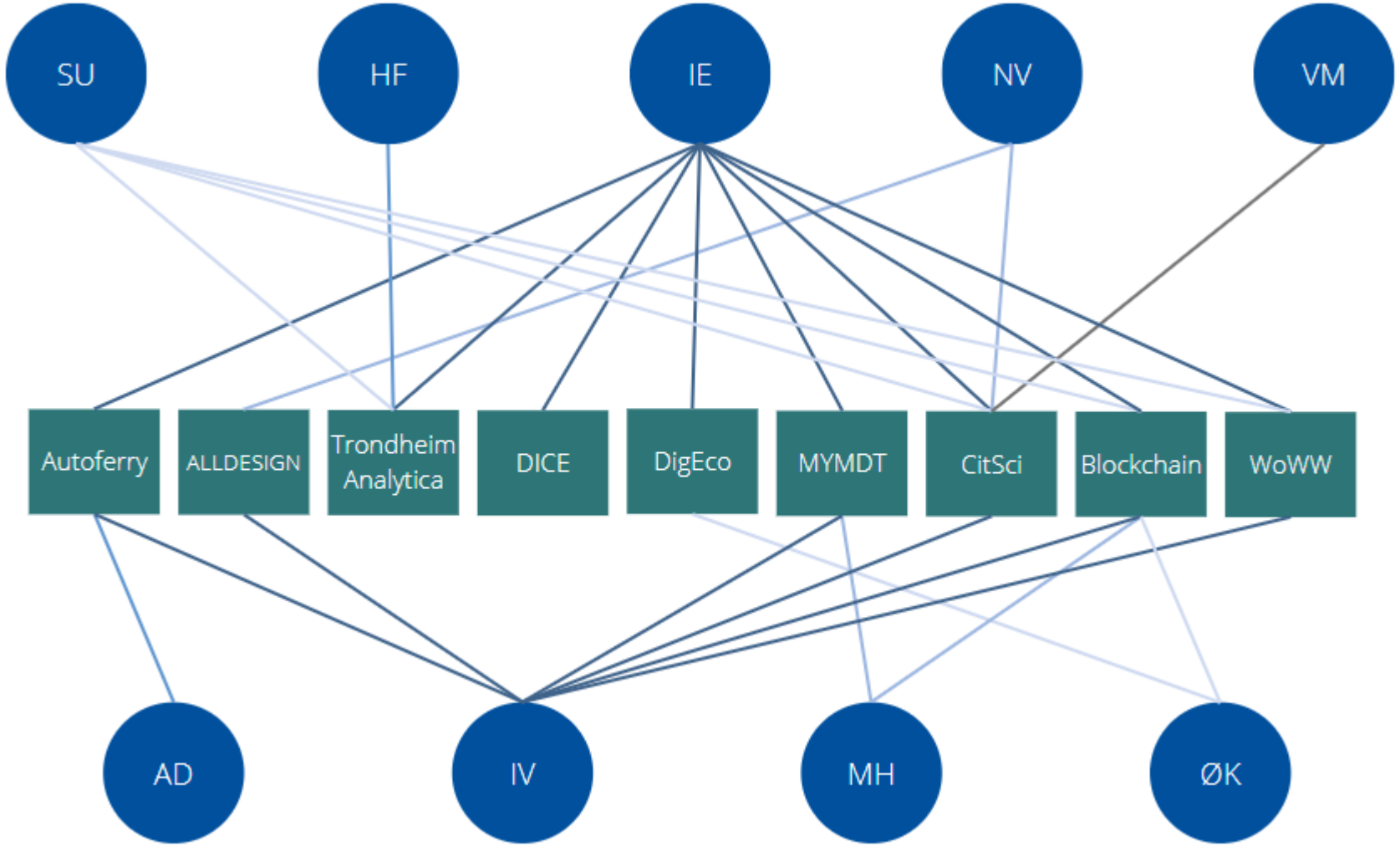
NTNU's call for project proposals resulted in 89 applications.

9 of the applications were granted funding.

Samarbeid på tvers av fakultetene blant digital transformasjons (DT) – prosjektene



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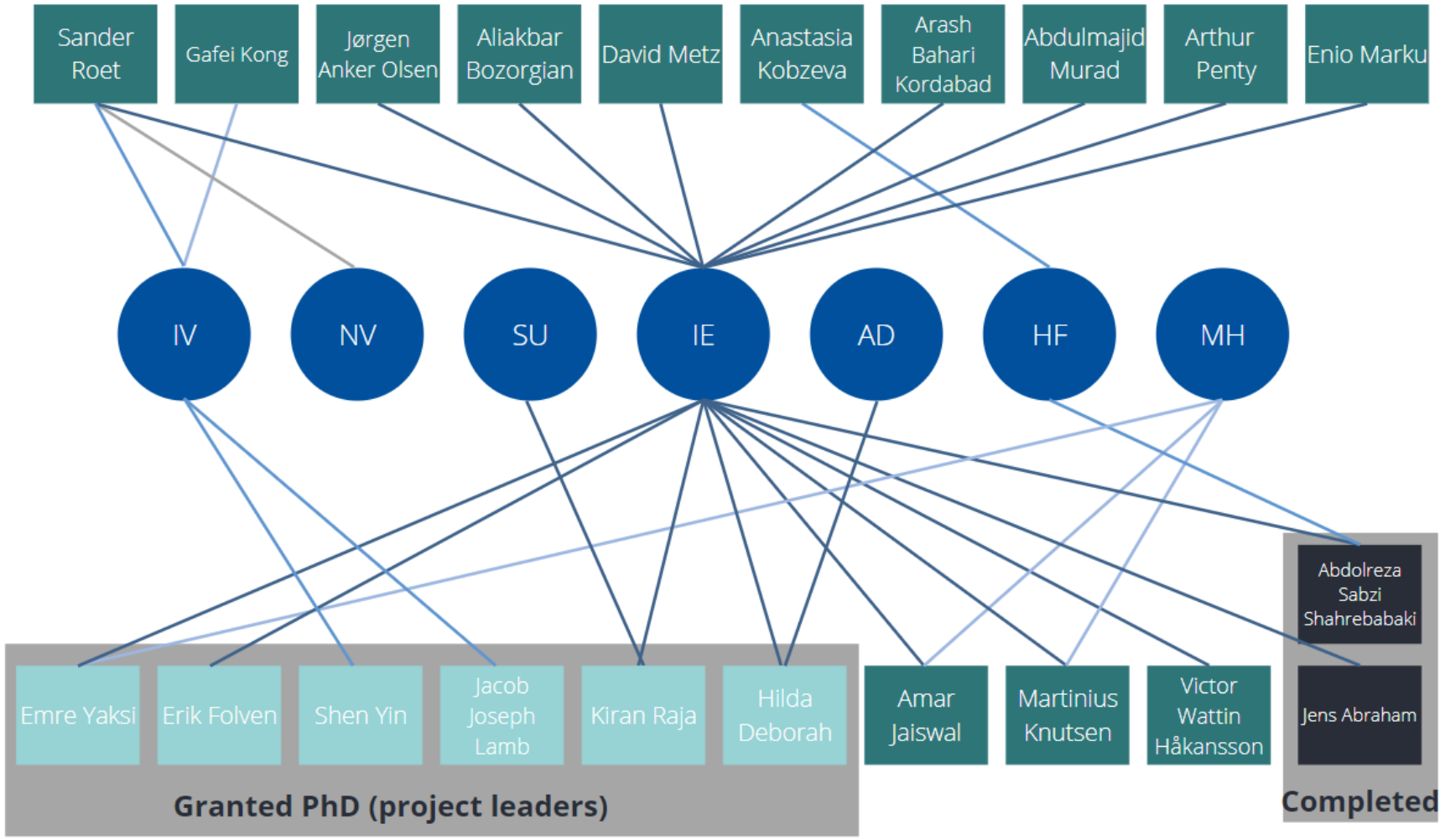
Samarbeid på tvers av fakultetene blant enabling technology (ET) – stipendiatene



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Variety of project funding

- NTNU internal : NN kroner
  - Around 20 PhDs funded, last this spring linked to the enabling technologies
  - Digital Transformation projects (48 PhDs)
  - Leadership and coordination
- External funding of followup-projects (5 * NN kroner)
  - SFIs
  - PERSEUS Co-Found (40 PhDs) PERSEUS - NTNU
  - NGINO
  - ….

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What’s ahead ?

- Evaluation last spring - All TSOs and ETs are to end in their current form end of 2023
- Autumn 2022: Work at NTNU on establishing new cross-disciplinary/cross-faculty thematic areas/enabling technologies
  - Organization
  - Thematic areas
  - Digital -> Wider digital transformation program ?
  - See in the light of internal and external development (e.g. new langtidsplan for forskning), utviklingsplan
- Input from faculties etc January 10
- Topic for leadership meeting 24-25 January
- New areas starting Jan. 1 2024

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But NTNU Digital do not sit idle

- Following up of current project portfolio (DT, ET, ..) and conferences (e.g. NOKIOS)
- Matchmaker for new initiatives e.g. to selected areas of Horizon Europe (2023-2024 calls)
  - Building shadow-organization to relevant parts of ADRA (including BDVA)

- Visit the leadergroups for all NTNU faculties
- Digitalization in the health sector
- Smart sustainable cities
- AI at NTNU (Building on NAIL, NorwAI and other initiatives -> Contribute to building a leading Nordic AI research and innovation group on the long term)
- Prepare future SFI/FND proposals
  - Example - CESICT - Center for Sustainable ICT

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NTNU
Center for Sustainable ICT

GoForIT

CESICT - NTNU Center for Sustainable ICT

Vision: Establishing knowledge leading to the development and evolution of sustainable IT solutions for sustainable development
Mission: Mobilize multidisciplinary expertise collaborating to guide the digitalization of society in a sustainable direction
Goal: Develop new, innovative, holistic methods, technologies and solutions to support a sustainable digitalization of society, where the research-based knowledge developed is to benefit both nationally and internationally. Primary acquisition goal: SFI and/or FND (Forskningssenter for Næringsrettet Digitalisering) and accompanying projects

Kick-off 26/9 09:00 https://www.ntnu.edu/web/digital/kick-off-cesict

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Thank you for the attention !

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https://www.ntnu.edu/digital