

Eureka Co-Chair 2024/25

Celebrating the Eurogia PO days
Paris, 30th September, 2024

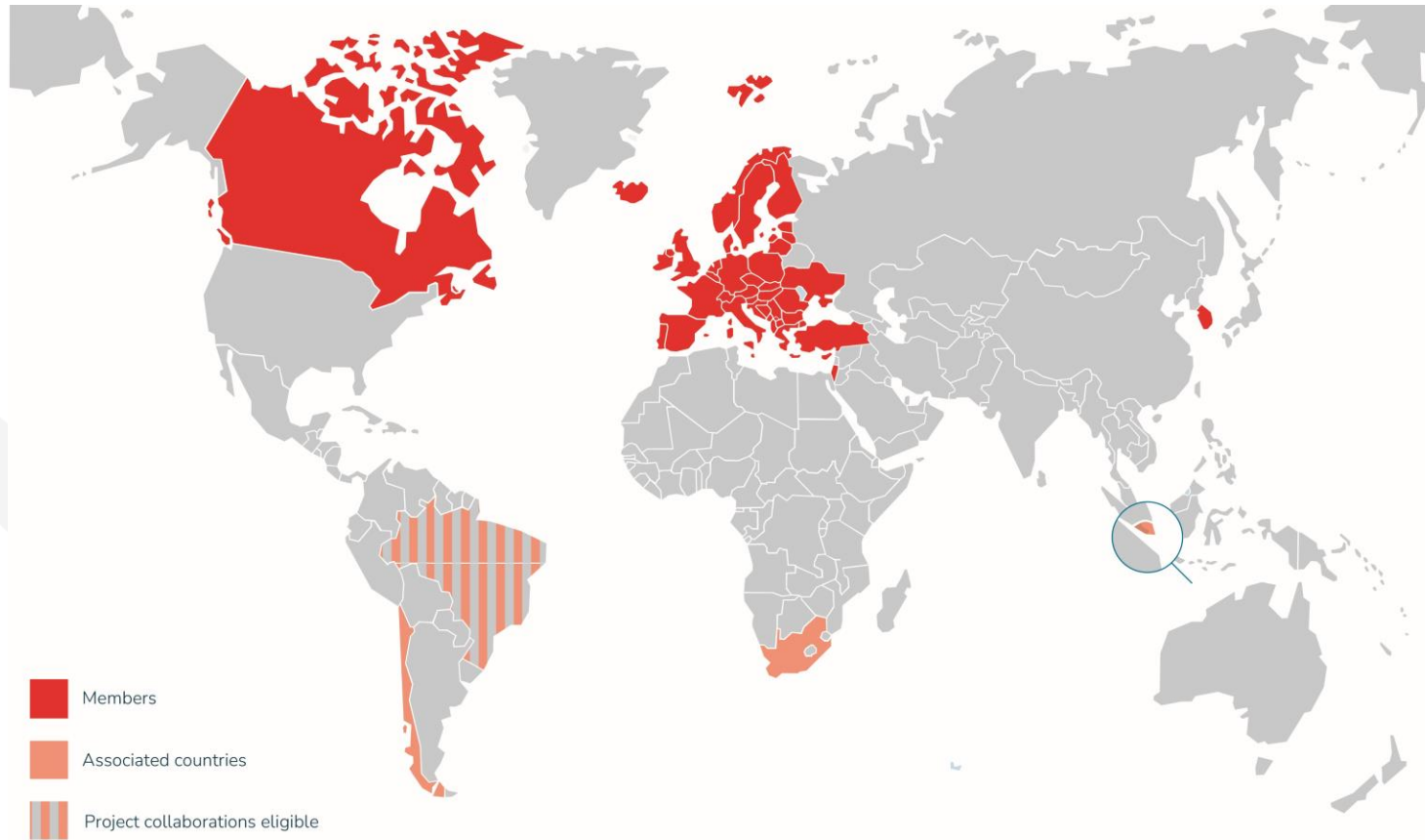


Rudolf Haggemüller

Eureka President 2024/25

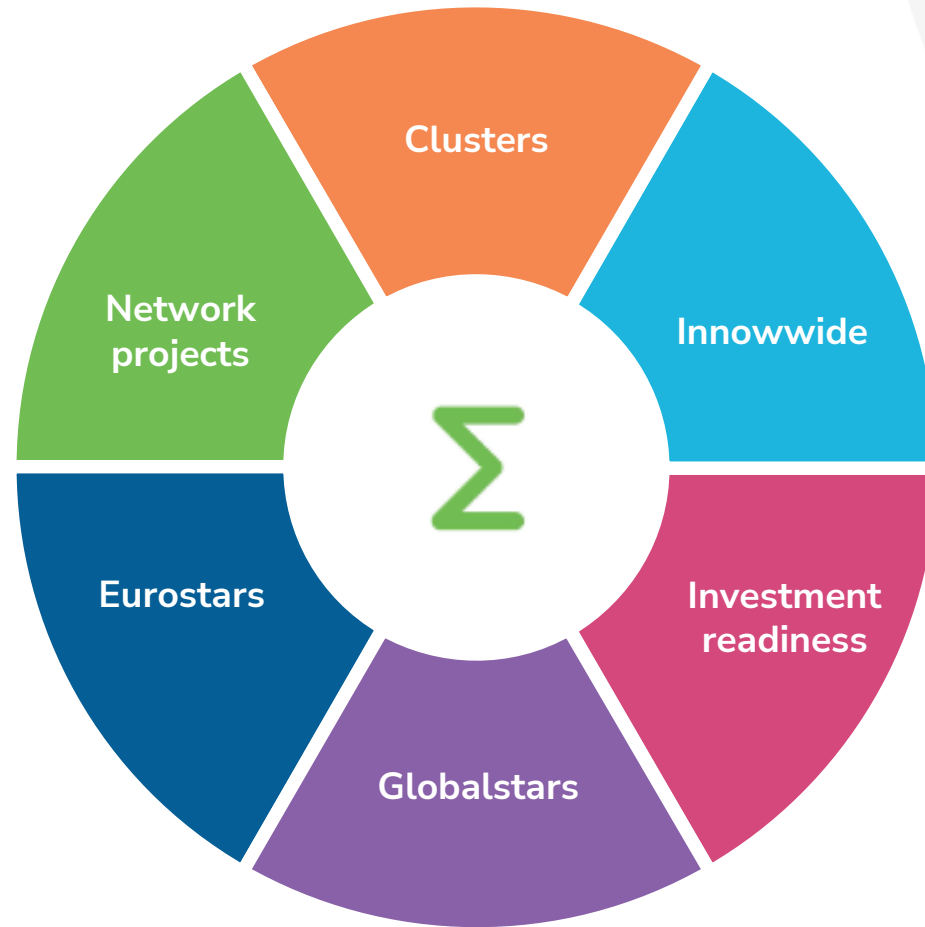
“The motto of the Canadian-German Co-Chair is ‘further together’. For me, this reflects the values of Eureka as a global innovation network of trusted partners.”

High Level Ambitions



- Global
- Impact
- Happiness

Eureka instruments



Eureka Clusters



Next-generation
communications and
ICT systems



Low carbon energy
technologies



Software innovation and
digital transition



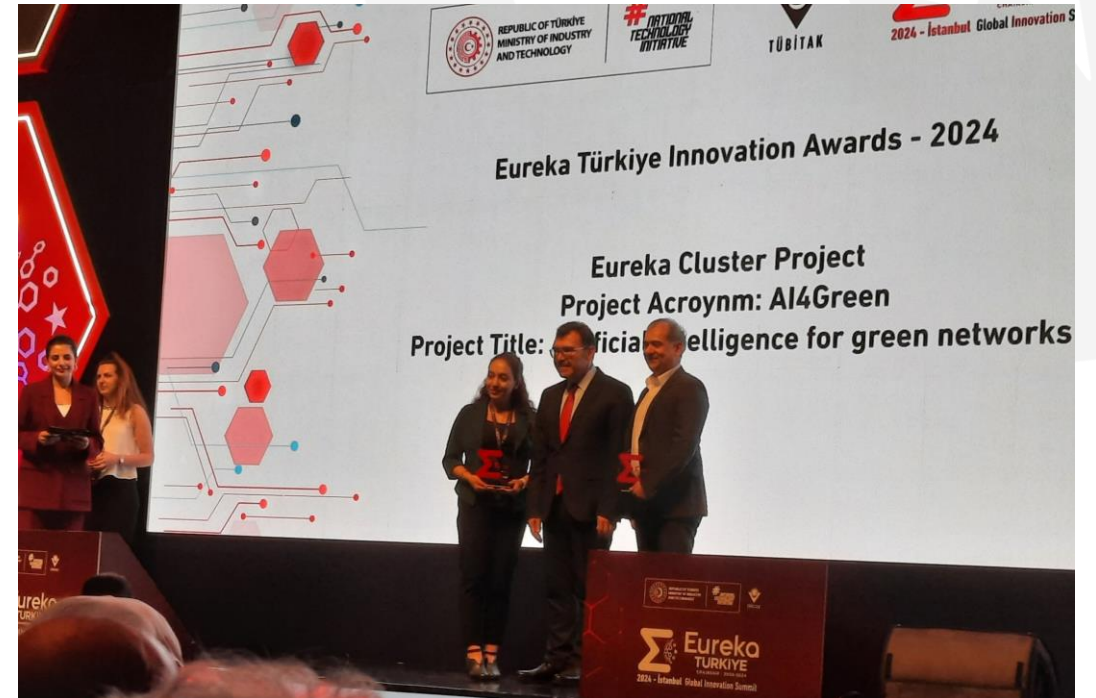
Advanced
manufacturing



Electronic components and
systems

CELTIC-NEXT project AI4Green received the Eureka Innovation Award at the Global Innovation Summit 2024

Istanbul, Türkiye | June 14, 2024



CELTIC-NEXT project AI4Green

- AI-based network energy efficiency
- AI-based demand response service
- Empower AI in a distributed or centralized architecture
- Optimize networks sites power consumption and power usage
- Risk-sensitive optimization of performance management

AI4GREEN



17 partners from 5 countries

Sep 2019 - Dec 2022

Project website:

<https://www.celticnext.eu/project-ai4green/>

AI4Green: Impact



KADIKOY,
ISTANBUL



Energy Saving



PREDICTIVE CARRIER SHUTDOWN

- Prediction accuracy 92%
- Proactive carrier shutdown 18.8%
- RAN energy saving 2.5%



PREDICTIVE SECTOR SHUTDOWN

- RAN energy saving in pilot cluster 10%
- Projected country-wide energy saving 6.5%
- Projected commercial saving \$1.77M pa



CROWD MOVEMENT ANALYTICS



- Geolocated customer analytics
- Graph Neural Network based prediction
- Risk averse energy saving 52%

SOCIAL MEDIA ANALYTICS



- Identify unexpected incidents
- Mitigate capacity risks
- Response time reduced to 3 min



Risk Awareness

Thank you

Let's go #further together with happiness!

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🌐 eureka2024-25.com

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