



Welcome to the 6th SIG AI for NRENs Meeting

Dr. Leonie Schäfer (DFN) - Coordinator of the GÉANT SIG AI

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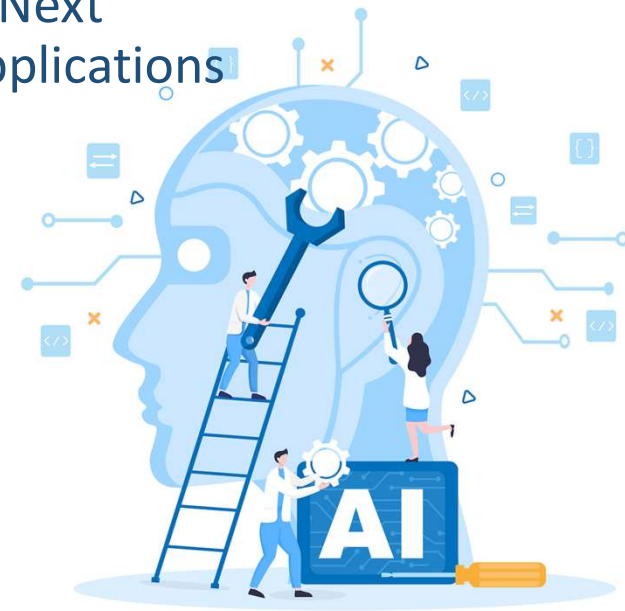
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6th SIG AI for NRENs Meeting

10 March 2026

Introducing the SIG AI for NRENs: Collaborative AI Exploration

- **Fairly new SIG:** Started at TNC24 in Rennes, France
- **Focus:** Exploring the potential applications of AI within the context of NRENs
- **Cross-Cutting Approach:** Delving into various areas where AI can enhance NREN services
- **Areas of Exploration:** Cybersecurity, Network Automation, Next Generation Networks, Ethics, Policy, and Above-the-Net Applications
- **Objectives:** Knowledge Sharing, Use Case Development



Who are we?

- Coordinator: Leonie Schäfer (DFN)
- Chair: Daniela Brauner (GÉANT)
- SC Members:
 - Hrachya Astsatryan (ASNET-AM)
 - Jan Kohlrausch (DFN-CERT)
 - Albert Hankel (SURF)
 - Marcin Wolski (PSNC)
 - Panos Louridas (GRNET)

Wiki

<https://wiki.geant.org/display/SIGAI/SIG-AI+Home>



AI in NRENs: Opportunities & Challenges

- Opportunities
 - Innovation Driver
 - Service Enhancement
 - Efficiency Gains
 - New possibilities (e.g. Predictive Maintenance, Dynamic Resource Allocation)
- Challenges
 - Complexity
 - Security Concerns
 - Ethical Risks
 - Skills Gap



SIG AI Objectives: Working Together on AI

- Knowledge Exchange
- Use Case development
- Community Hub

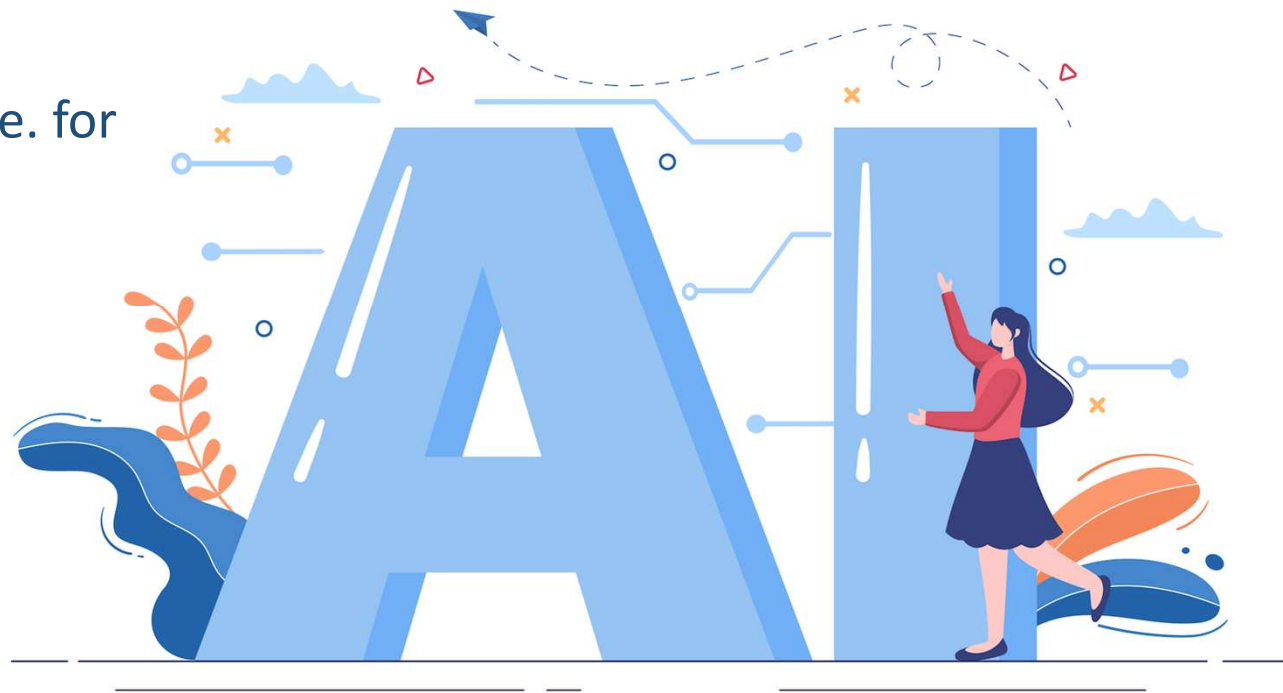
In the future, maybe also

- Think Tank
- Pre-Incubator
- Strategy

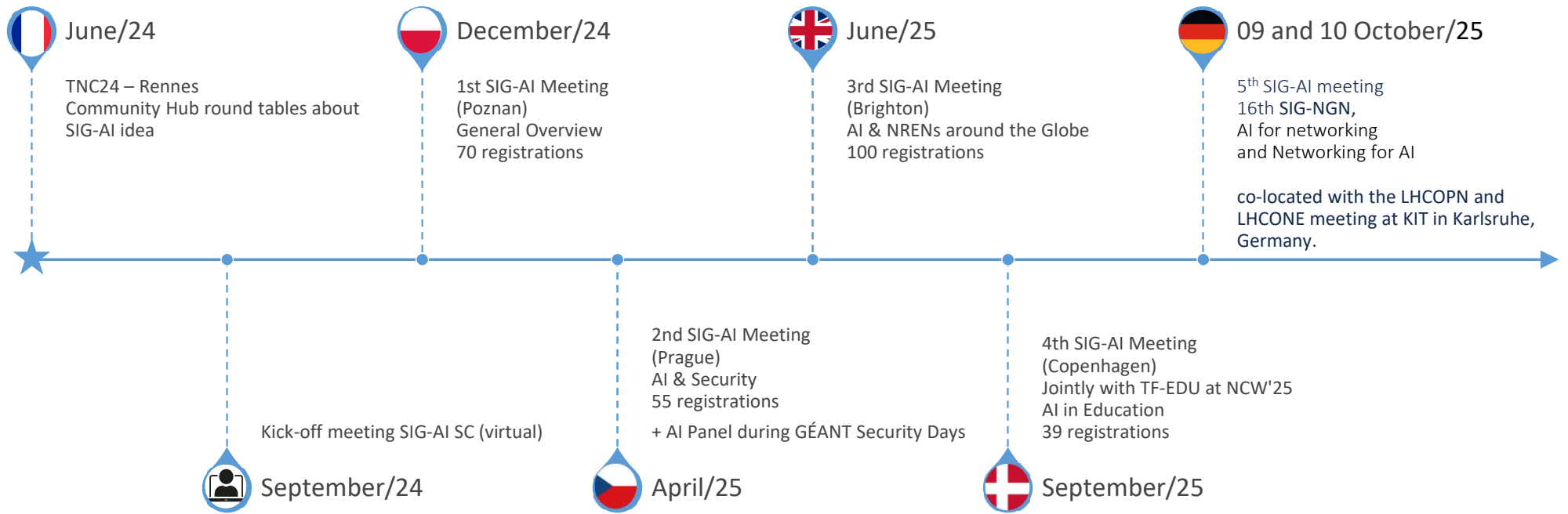


Exploring the AI Landscape for NRENs: Key Areas of Focus

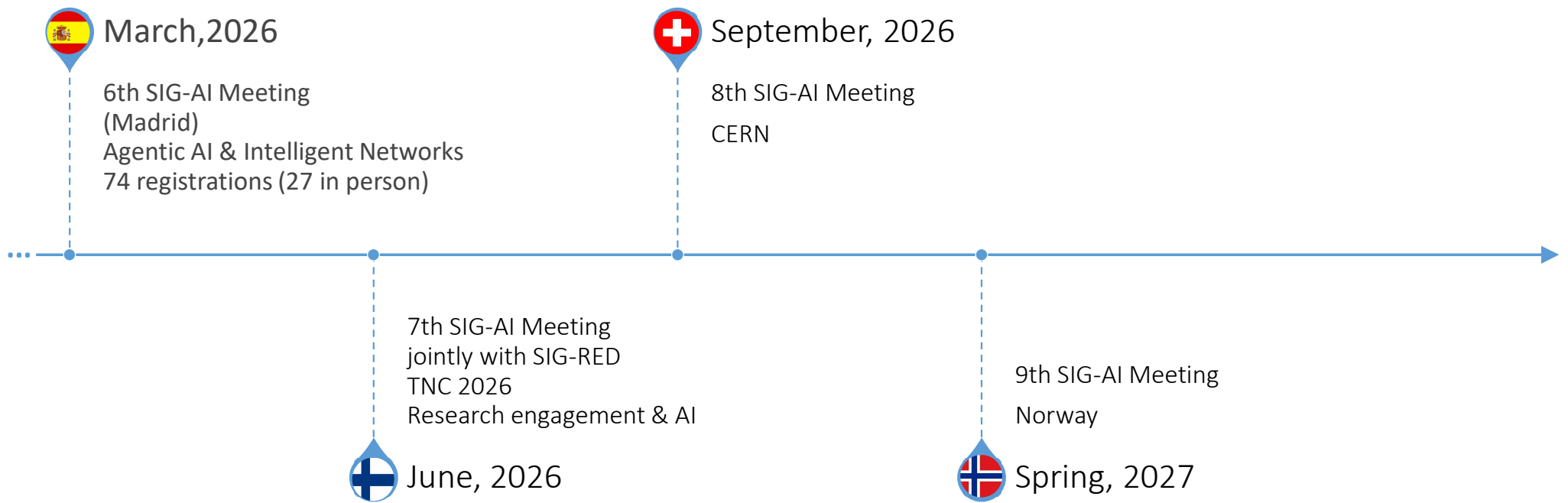
- Cybersecurity
- Network Automation
- Next Generation Networks
- Agentic AI
- Above-the-Net Applications, i.e. for
 - Education & Research
 - MarComms
- Policy



SIG-AI Roadmap



SIG-AI Roadmap



Agenda Tuesday 10 March 2026

Tuesday 10 March	
12:00-13:00	Preparation, come and meet the organisers over lunch.
13:00 - 13:10	Welcome & Intro Daniela Brauner (GÉANT) & Leonie Schäfer (DFN)
13:10 - 14:00	Session 1 - Community Community Showcases Focus: RedIRIS AI projects & local endeavours Community Pulse: Setting the Scene 🗳️ <i>(Interactive Mentimeter)</i> Interactive Session led by Leonie Schäfer (DFN)
14:00 - 14:30	<i>Coffee Break</i>
14:30 - 16:00	Session 2 - Network Analysis, Automation & AIOps Chair: Esther Robles, RedIRIS Guarded Agentic AI Approach for Network Automation and Orchestra Sonja Filiposka (UKIM, representing GN5-2 WP6T2) AI Agents for GARR Network Analysis and Troubleshooting Francesco Lombardo (GARR) Network Visibility in the Era of Encrypted Client Hello (ECH) Jaroslav Pesek, Jan Luxemburk and Richard Piny (CESNET) Reimagining Network Operations: Autonomous Networks Powered b Alejandro Aguado, Victor Manuel Sola et. al. (Nokia)
16:00 - 16:15	<i>Coffee Break</i>

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16:00 - 16:15	<i>Coffee Break</i>
16:15 17:15	<p>Session 3 - AI Training & Capacity Building Chair: Albert Hankel, SURF</p> <p>From Virtual Assistants to Smart Recommendations: Agentic AI at CA Aleksandra Mudrinic Ribic (CARNET)</p> <p>Network eAcademy: Scaling AI Training through Metro Maps Maria Isabel Gandía Carriedo (CSUC / WP6), presented by Bojana Koteska Aleksandra Kanevche (UKIM)</p> <p>Scaling NREN GenAI Capacity Building: Lessons from AP-GAINED Asitha Bandaranayake (LEARN) (Remote)</p>
	<i>Closing - Day 1</i>
18:30 & 20:00	Social Programme: Guided City Tour and Joint Dinner at Restaurante Imparcial (kindly sponsored by RedIRIS)

Agenda Wednesday 11 March 2026

Wednesday 11 March	
09:00 - 10:30	<p>Session 4 - LLMs, RAG & AI Tools Chair: Marcin Wolski, PCSS</p> <p>LARA: Latent Representation for Adaptive Tasks Albert Calvo (i2CAT)</p> <p>Towards Reliable RAG Systems for Institutional Knowledge Bases Maciej Łabędzki & Marcin Wolski (PCSS)</p> <p>Local LLMs (ILaaS) and Semantic Similarity (Proxi-tickets) Vincent Mariller (RENATER)</p> <p>Technical Software/AI Implementation in the GÉANT Ecosystem Fariman Torkashvand (GÉANT) (Remote)</p>
10:30 - 11:00	<i>Coffee Break</i>
11:00 - 12:00	<p>Session 5 - Governance and Coordination Chair: Daniela Brauner (GÉANT)</p> <p>Feedback from the AI NREN Coordination Group Daniela Brauner (GÉANT)</p> <p>AI Services and the GÉANT Compendium Gvantsa Jibladze (GÉANT) (Remote)</p> <p>GÉANT AI Guidelines - presentation Magdalena Razca (GÉANT) (Remote)</p>
12:00 - 12:30	<p>Community Pulse: Environmental Scan & SWOT Analysis 🗳️ <i>(Interactive Mentimeter)</i> Interactive Session led by Daniela Brauner (GÉANT)</p>
12:30 - 13:00	Closing & Future Outlook

<https://wiki.geant.org/x/IYBdTQ>

Emerging Themes: Collaborative Priorities in AI for NRENs

- **Strategic AI Approach & Collaboration:** NRENs need coordinated strategies to effectively leverage AI for service innovation and avoid fragmented efforts.
- **Data Sharing Challenges & Trust:** Establishing trusted mechanisms for data sharing is crucial to train AI models and unlock the full potential of AI in research.
- **AI Factories and its implications for NRENs:** Understanding the role and impact of AI Factories on NREN infrastructure and services is essential for future planning.
- **Broader AI Considerations:** Addressing ethical implications, regulatory compliance (e.g., EU AI Act), and skills development are vital for responsible and sustainable AI adoption.

Get Involved: Connect, Share, and Shape the Future of AI in NRENs

- Join the SIG AI for NRENs
 - influence the direction of AI in NRENs
 - network with experts
 - access to resources
- Mailinglist: <https://lists.geant.org/sympa/subscribe/sig-ai>
- Join our Hybrid SIG-Meetings: to be announced via the Mailinglist

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mailing list:

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Any questions?

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