

# Report of Session 4

Bridging the gap between industry and academia: An overview of the Brazilian  
EMBRAPII innovation ecosystem

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# An overview of the Brazilian EMBRAP II innovation ecosystem (by Luis Delmont)

- EMBRAP II is a funding institute for "pre-competitive R&D phase" projects
  - Funding comes from the federal government
  - Funds projects (1/3 of the project, non-refundable)
  - 93 units all over Brazil
  - Funded 9 competency centers
- Forecast: there will be changes, challenges, and opportunities
- How do we balance investments in current tech and future opportunities?

# VIRTUS-CC: Intelligent Hardware for the Industry (by Danilo Santos)

- VIRTUS is an institute inside UFCG (Campina Grande, PB)
- It's an R&D center to develop projects for industry
- Explores several topics (Industry 4.0, IoT, Cybersecurity, AI, etc.)
  - Through several labs
  - Training activities
- 2030 vision is to integrate the cyber-physical continuum
- They are open to cooperation, and companies can join the center as members

# QullN: Quantum Industrial Innovation (by Alexandre Tacla)

- A competence center on quantum technologies at CIMATEC/SENAI (Salvador, BA)
- CIMATEC has been investing in quantum technology since 2014
- They currently have a supercomputer optimized for simulating quantum circuits
- Budget USD 10M for 42 months

# CISSA: Integrated Center for Security in Advanced Systems (by Erico Teixeira)

- Competence center on CESAR
- Four research areas:
  - Identity and Access Management
  - Data protection and privacy
  - Cyber threat intelligence
  - Legal, Ethical, and Behavioural aspects
- Training
- Attracting startups
- Need to attract companies as members for long-term funding