

HEI-Industry Partnerships

UT Examples for Green Finance

University of Twente

Day 3: Trends in HEI-Industry Collaboration

Central Banks & Regulators

- **European Central Bank** — Climate stress testing, AI in supervision
- **Bank for International Settlements** — Financial stability, SupTech

Global Banks

- **ING** — AI portfolio optimization, credit risk
- **Deutsche Börse** — Market infrastructure, ESG data

Asset Managers

- **Quoniam Asset Management** — Quant strategies, ML
- **QCAM Currency Asset Management** — FX strategies

Previous Industry Roles

- Goldman Sachs (2009-2012)
- Man Investments (2012-2014)
- Bank of America Merrill Lynch
- Oliver Wyman, BCG

20+ years of HEI-industry collaboration across central banks, investment banks, and asset managers

Marie Curie Industrial Doctoral Network

- **Funding:** EUR 3.8 million
- **Role:** Coordinator
- **Scope:** 20+ institutions
- **Researchers:** 100+
- **Focus:** Digital Finance PhD program

Green Finance Relevance

- Training next-generation researchers
- Industry co-supervision model
- Applied research on real problems

COST Action: FinTech & AI (2020-2024)

- **Role:** Chair
- **Academics:** 400+
- **Countries:** 51
- **Focus:** Collaborative research

Key Insight

- EU networks multiply opportunities
- Cross-border collaboration
- Shared resources and expertise
- Policy influence through research

EU funding enables large-scale HEI-industry collaboration — model for ASEAN green finance networks

Quantinar.com

- Interactive learning
- Browser-based coding
- Auto-graded exercises
- Digital certificates
- 500+ active learners

GF Application:

Climate risk modules, ESG screening exercises

QuantLet.com

- Reproducible research
- 1,000+ code examples
- Peer-reviewed content
- Cross-language support
- Quality verification

GF Application:

TCFD calculations, scenario analysis

GitHub Pages

- Open-source courses
- MIT License
- Zero hosting cost
- Student portfolios
- Version control

GF Application:

ESG integration modules

Open digital platforms enable scalable, low-cost HEI-industry engagement

Model	Description	Entry Barrier
Guest lectures	Industry experts in classroom	Low
Internship programs	Student placements at companies	Low
Executive education	Short courses for professionals	Low
Co-designed curricula	Industry input on course content	Medium
Research collaboration	Joint projects with companies	Medium
Sponsored research	Company-funded projects	Medium
PhD co-supervision	Joint academic-industry supervision	High
EU-funded networks	Multi-partner research consortia	High

Recommendation: Start with low-barrier models (guest lectures, internships), build relationships, then scale to deeper partnerships.

For GREEN FINANCE MC: Identify 2-3 local partners per country, start with guest lectures