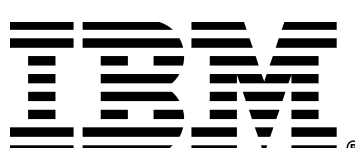


Industry Vertical AI Collaborations in Europe





Martin Hickey

- 29 yr tech career in enterprise and open source software
- InstructLab maintainer
- Emeritus Helm core maintainer and TOC member
- Contributor to Helm, Kubernetes, Open Telemetry
- Open source leader and developer at IBM
 - Bluesky: @mhickeybot.bsky.social
 - GitHub: @hickeyma



Donal Madden

- 25 years in Software Development, Data Science & AI
- IBM Project Lead, COGNIMAN consortium
 - LinkedIn: donal-madden-042240131
 - GitHub: @donalmadden



Shaping a Better Future

Driving research and
innovation across Europe



- Boosts EU Competitiveness
- Strengthens Global Impact of EU Industries
- Unlocks Knowledge & Technology



Disseminating & Exploiting

Turning research into impact



- Share Results Openly
- Drive Impact
- Engage Stakeholders



Open Source Adoption

Drives collaboration, innovation
and trust



- Fosters Collaboration
- Speeds Innovation
- Builds Trust

COGNITIVE Industries for Smart MANufacturing (COGNIMAN)



Horizon Europe in action: COGNIMAN (2023-2026)



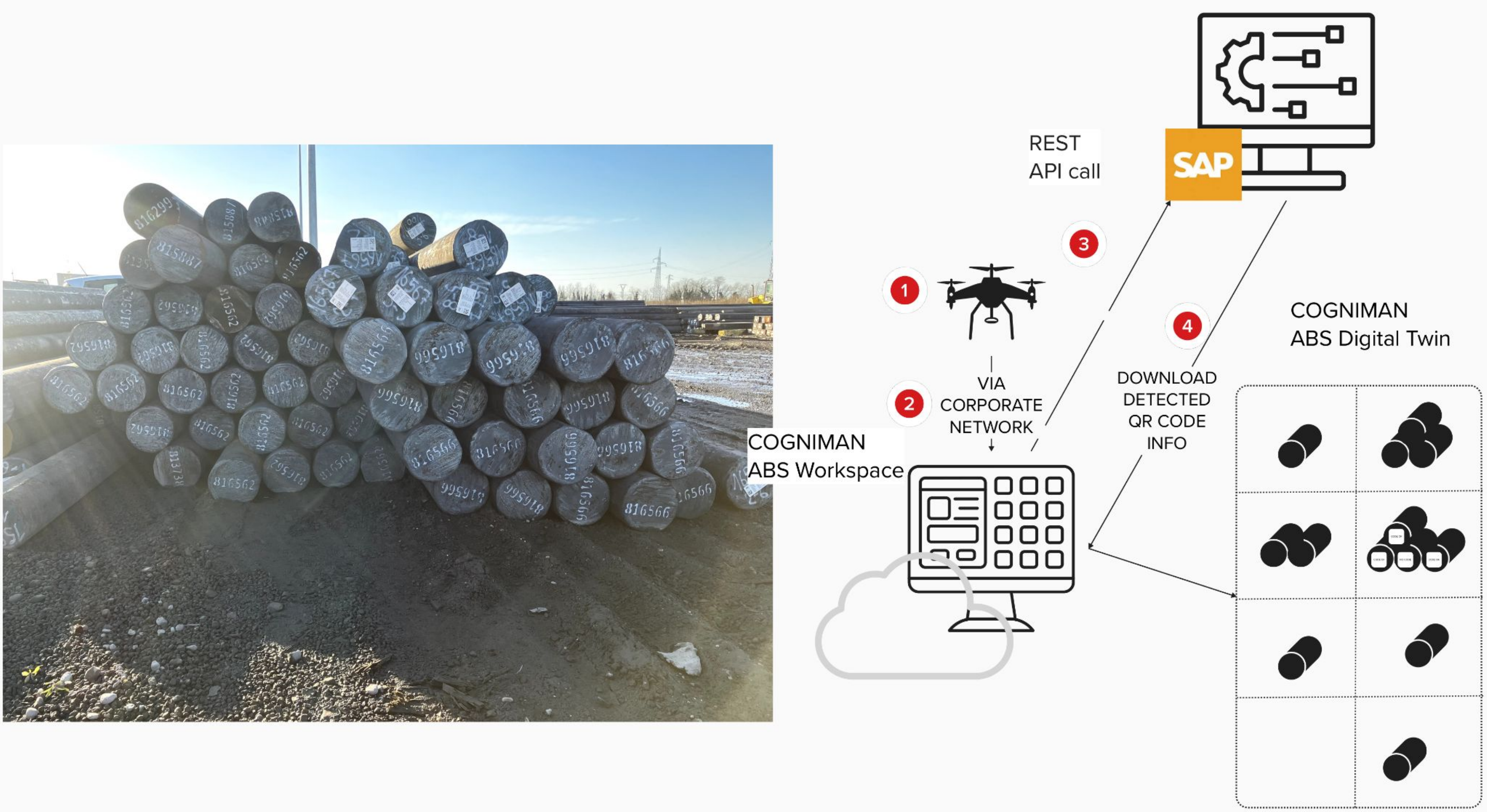
- Led by NORCE
- 14 Industrial & Engineering partners (EU & EEA)
- Key goals:
 - Research & Innovation that enhances manufacturing
 - Reducing waste and boosting production transparency
- 4 Pilot sites :
 - 3B Fibreglass (Norway)
 - GOIMEK (Spain)
 - Croom Medical (Ireland)
 - ABS Steel (Italy)

Pilot Use Case: Scenario

ABS Steel Manufacturing (Udine, Italy)



Pilot Use Case: Solution



Pilot Use Case: Current Status

Turning research &
collaboration into impact



- AI or AI-related components:
 - Project management (Agentic AI)
 - Flight path (CV, RT, RL & UAV)
 - QR imaging (CV & RT)
 - Auto-removal of PII images (CV)
 - Auto-cataloguing images (Data Eng.)
 - Improved logistics (Op. research)
- Open source at its core
 - LangChain , Llama 3.1., Ollama
 - OpenCV, Pytorch, YOLO
 - Bluespice

Takeaways



- EU wants to help innovate across industry
- AI & open source are key
- Horizon Europe is the vehicle to drive this



thank you

tusind tak
謝謝 dakujem vám
ありがとう
ngiyabongga

dziękuję
merci
baie dankie
धन्यवाद molte grazie

suksema
danke
gracias
obrigada
obrigado
teşekkür ederim
tack så mycket

takk
gràcies
tānan
teşekkür
mahalo

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