



# Driving Scientific Discovery with CloudFerro's Cloud through OCRE

September 2025

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# The Challenge

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- You have a bold idea—but tight budget constraints
- You are on a tight schedule and your access to resources is queued
- Need reliable, scalable infrastructure
- Launch fast, stay agile, and manage your resources effectively with CloudFerro
- European sovereign cloud



# Use case 1 – The Glacier challenge

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- Desktop computers simply didn't have enough power to handle large-scale data processing
- Traditional access to high-performance computing was slow – they didn't want to wait in line for HPC resources
- And when it came to processing demanding workloads, especially those requiring custom GPUs and high storage capacity, their infrastructure fell short



# Glacier solution

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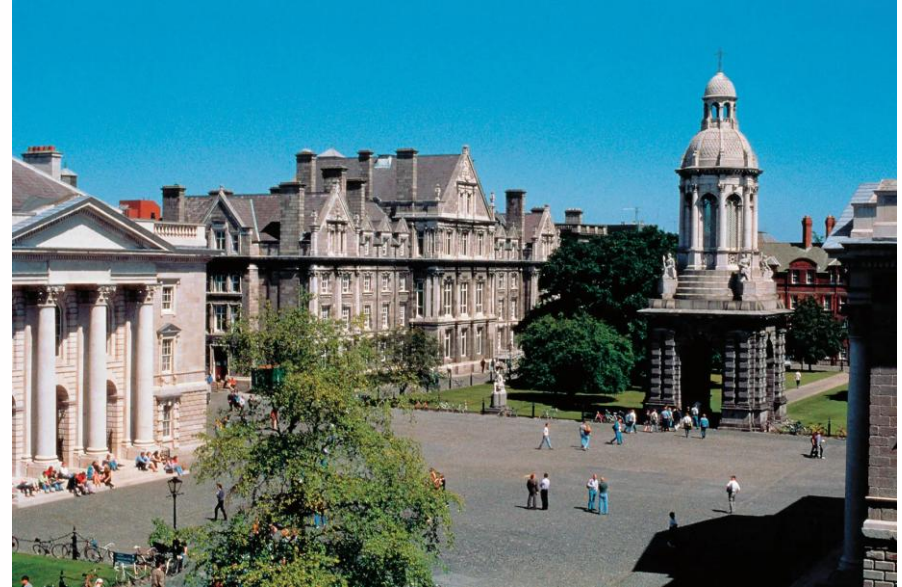
The solution was CloudFerro's infrastructure, delivered via OCRE. Through OCRE, they gained:

- Immediate access to scalable CPU and GPU resources – no queue, no delays
- Secure storage located across Europe, compliant with ISO standards
- A sovereign European cloud, provided by a Polish technology company with its own technology stack and support



## Use case 2 – University of Dublin

- Direct access to IaaS cloud services with a scientific discount
- No need for a procurement procedure, - order based approach, if the need is covered with internal institutional budget or external project budget, it can be ordered only by putting an order
- Allowing to speed up research and focus on science rather than administration
- Usage of trusted European sovereign solution with dedicated (also European) support



# What do we bring to the table?

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## Supported services

- **Compute:** VMs, dedicated servers, containers, GPU-optimized instances
- **Storage:** Persistent volumes, object storage (S3)
- **Networking & API:** Secure networks, REST/OpenStack API
- **AI platform:** Sherlock for generative AI, EO-data embeddings

## Dedicate Support and Compliance

- **European data sovereignty** – hosted in EU; General Data Protection Regulation GDPR compliant
- **24/7 premium support** based in Warsaw; ISO 9001/27001 certified
- **Open-source ethos** – no vendor lock-in



# Cloud infrastructure – the big picture



# Company overview

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- **European**, Secure Provider and operator of public and private computing clouds and EO platforms around Europe
- Substantial computing resources with record **600 PB** of available storage and EO data access
- **Technological autonomy** via Open Source application and full control of technology stack
- Present in OCRE framework since 2019
- You may find additional information on our website: [www.cloudferro.com](http://www.cloudferro.com)





# How to get from Idea to Proof-of-Concept

- **Step 1:** Sign up & send your request for 250 free credits (today – 500!)
- **Step 2:** Spin up a VM or Kubernetes cluster in minutes
- **Step 3:** Attach scalable volume storage or object storage
- **Step 4:** Access Copernicus/EO data directly from VM (no transfer fees!)
- **Step 5:** Develop, test, iterate—all within your free credit budget



# Summary and CTA

## Key Takeaways:

- Data are not leaving Europe
- Trusted EU-based, certified, supported platform
- Access compute, storage, AI, and EO data quickly and affordably
- 500 credits = launchpad for innovation!

## Next Step:

- Send me an email for the Thursday, 25/09 11:00-12:15 CEST free training session invitation
- Or go to: <https://creodias.eu/news/webinar-2025-09-getting-started-with-cloudferro-cloud-on-creodias-platform/>





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