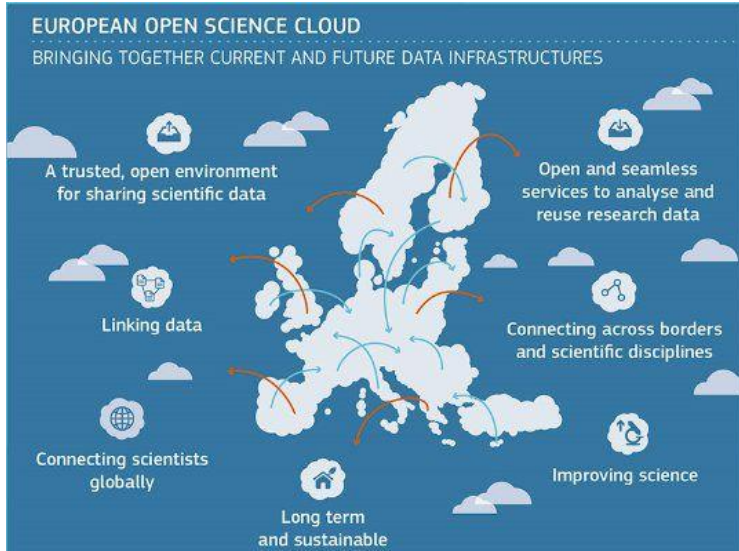


OCRE Cloud Kickoff | March 2021

# Cloud Solutions for Research and Education

**T** · · Systems · Let's power  
higher performance

# Contents



## 01 OCRE and T-Systems

Supporting European Open Science and a Digital Europe.



## 02 Who can benefit?

Reference customers and use case competences.

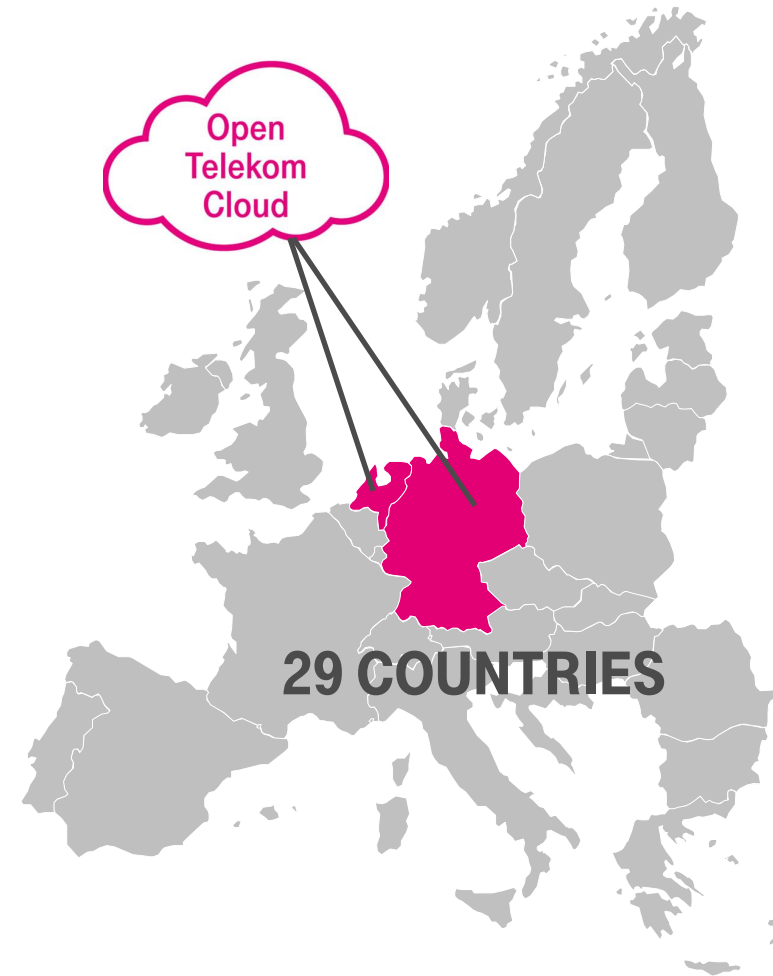


## 03 How to make it a success?

T-Systems OCRE team.

# OCRE and T-Systems.

- Framework contracts signed in **29 countries**.
- **NEW** Open Telekom Cloud NL-Region for science.
- **Open Stack** cloud with large set of integrated open-source tools incl. Kubernetes, MapReduce, MYSQL
- Block and S3 Object storage tiers (Hot, Warm, Cold)
- Discounts apply to workloads in **NL-Region**, discounts for **D-Region** on request.
- Redundant connectivity to **GÉANT** and multiple internet exchanges (AMS-IX, EFX, NL-IX).
- **Certified** for all relevant standards.
- **100% green energy**.



# Open Telekom Cloud Services

COMPUTING		NETWORK		MANAGEMENT & SECURITY		PAAS	
Elastic Cloud Server	STORAGE	NAT Gateway	Web Application Firewall	Log Tank Service			
Dedicated Host		Private Link Access Service	Virtual Private Network	Financial Dashboard*	Status Dashboard	Cloud Search Service	
Bare Metal Server		Storage Disaster Recovery Service	Content Delivery Network	Firewall as a Service	Cloud Trace Service	Document DB Service	
Cloud Container Engine		Scalable File Service	Elastic IP	Mobile Storage Solution	Resource Template Service	Data Ingestion Service	
Software Repos. for Container		Cloud Server Backup Service	Virtual Private Cloud	Tag Mgmt Service	Simple Message Notification	Data Warehouse Service	
Auto Scaling		Object Storage	Elastic Load Balancing	Key Mgmt Service	Distributed Message Service	Distributed Cache Service	
Image Mgmt. Service		Elastic Volume Service	Domain Name Service	Identity and Access Mgmt	Price Online Display	Relational Database Service	
	Volume Backup Service	Direct Connect	Anti-DDoS	Cloud Eye	Workspace Service	SAAS Big Data: MapReduce Service	

# Certified security & Reliability

**ESARIS**



**ESARIS**

Enterprise Security Architecture for Reliable ICT Services



**CSA GOLD**

Cloud Security Alliance-Kontrollen



**ISO 9001**

Weltweiter Qualitätsstandard



**ISO 27001**

Sicherheitsverwaltungs-Standard



**ISO 27017**

Cloud-spezifische Kontrollen



**ISO 27018**

Schutz personenbezogener Daten



**TRUSTED CLOUD**

Based on the Federal Ministry of Economics and Energy



**TCDP**

Trusted Cloud Datenschutz



**SOC 1/2 TYP 1**

Service Organisation Kontrollmechanismen



**SOC 1/2 TYP 2**

Compliancereport



**TISAX**

TRUsted inf. Sec. Ass. exchange



**C5 TYP 1**

Cloud Security Kontrollmechanismen



**C5 TYP 2**

Cloud Security Compliancereport

Hosted in Germany / EU

Operated by T-Systems

100% in EU

Legally compliant with GDPR

Compliant with German & EU

data-privacy standards



## 02 Who can benefit?

# OCRE – T-Systems Reference Competences



**CERN Large-Hadron Collider**  
Physics Experiment Analysis.

Massive scale data processing in a hybrid cloud configuration.



**EMBL MGnify**  
Marine metagenomics assembly.

Large-memory processing in a hybrid cloud configuration.



**EU Copernicus**  
Sentinel Satellites and supporting Data.

Big Data Management and Processing for more than 30 PB.

A photograph of a man and a woman in a professional setting. The man, with grey hair and a beard, is smiling and looking at a laptop. The woman, with dark hair, is looking at him. They are in a meeting. A large pink semi-transparent shape is overlaid on the left side of the image.

# 03 How to make it a success?



# T-Systems Team for OCRE



**Jurry de la Mar**  
OCRE  
Project Manager



**Etienne Boutelliez**  
Sales Manager



**Stefan Skalbania**  
Sales Manager



**Birgit Schönemann**  
Sales Support



**Sven Reppin**  
Onboarding  
Support

# Looking towards the future with our Global Innovation Ecosystem



## Research & Development

### Telekom Innovation Laboratories

Berlin, Silicon Valley, Tel Aviv

### Telekom Open IoT Labs

Germany

### Innovation Hub

Global Agile Development Team



## Experience Innovation Live

### T-Systems Innovation Centers & CloudHub

Barcelona, Berlin, London, Munich, New York, Paris, Utrecht, Vienna

### Telekom Design Gallery

Bonn

### Detecon Digital Engineering Center

Berlin

### Cyber Defense and Security Operation Centers

Bonn, Singapore

### CCI 5G Campus\*

Aachen

### Digital Ethics Center

Berlin



## Joint Ideation and Co-Creation

### Innovation Experts and Live Demos

in the creative space with you on-site



## Venture and Startup Partnerships

### Deutsche Telekom Capital Partners

Europe, Israel, USA

### Group Partnering

Asia, Europe, Israel, USA

### Hub:raum

Berlin, Cracow, Tel Aviv

### Telekom Techboost

Bonn

### STARTUP AUTOBAHN

Stuttgart

# OCRE – Useful Links

- Support services are available 24/7 in English and German through the web and the helpdesk.

<https://open-telekom-cloud.com/en/support>

- Online price calculator

<https://open-telekom-cloud.com/en/prices/price-calculator>

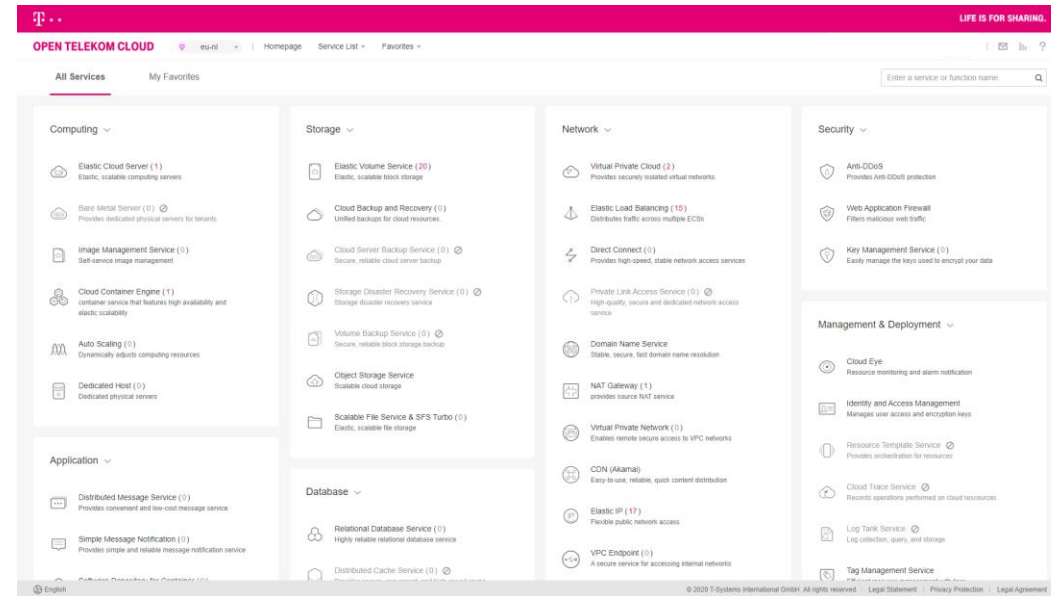
- Health status dashboard <https://status.otc-service.com/>

- FAQ <https://open-telekom-cloud.com/en/support/faq>

- Knowledge base <https://docs.otc.t-systems.com/>

- Community <https://community.open-telekom-cloud.com/>

- Blog <https://open-telekom-cloud.com/en/blog>



Open Telekom Cloud Console Menu.

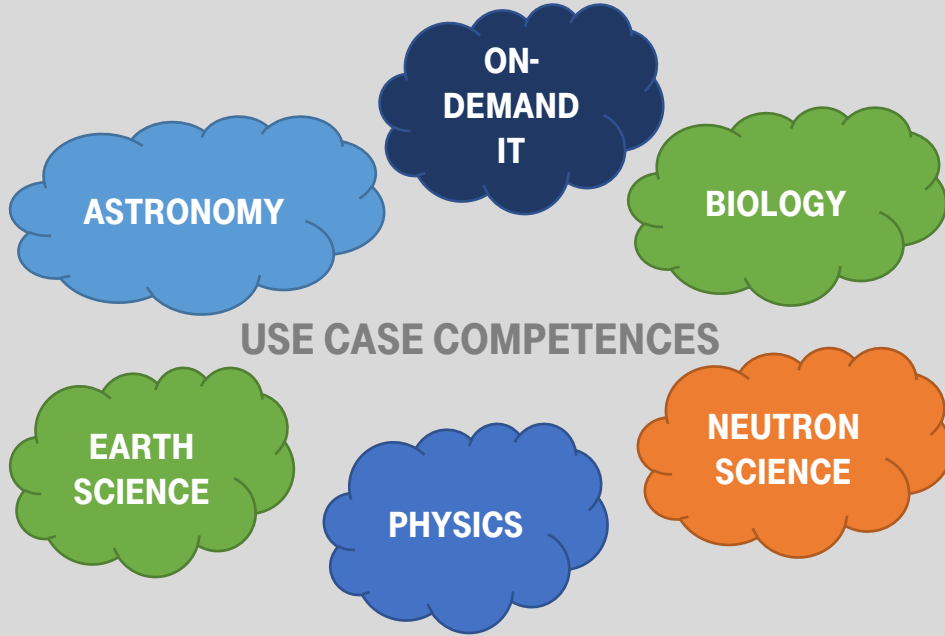
..T..Systems..



CONTACT US:  
OCRE@T-SYSTEMS.COM

MORE THAN  
**500 PB**  
CUSTOMER DATA

AI FRAMEWORK  
HPC WORKFLOWS  
DATA MANAGEMENT  
OAIS-COMPLIANT  
DATA ARCHIVING



CURRENT PROJECTS



REFERENCES



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OPEN-SOURCE TOOLS



# THANK YOU

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