



# UNICC Supercomputing & AI Hub

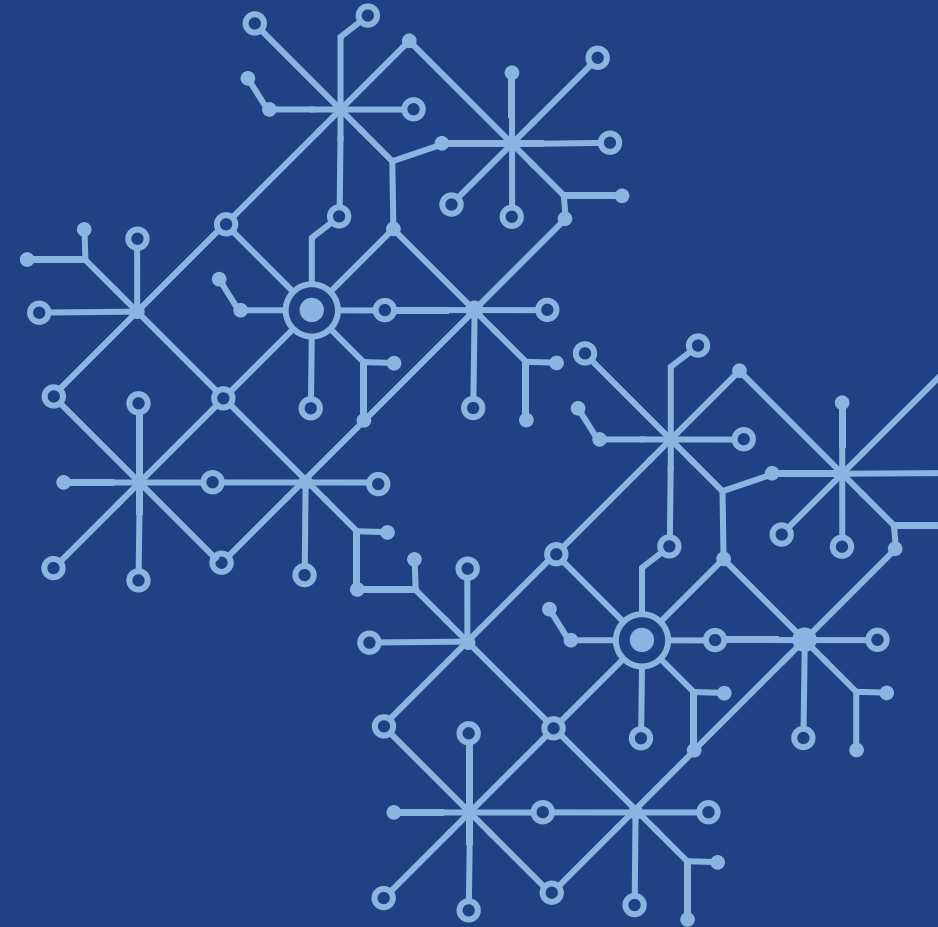




# UNICC & Supercomputing

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*Senior IT Information Officer*



# Who We Are

The United Nations International Computing Centre (UNICC) is the largest strategic partner for digital solutions and cybersecurity within the United Nations system.

Over the last five decades, UNICC has been continually expanding the services it provides to its Clients and Partner Organizations across the globe, and in diverse areas of technology services and digital business solutions.

[www.unicc.org](http://www.unicc.org)



Photo: UNICEF

# Who We Are



Over **90** Clients and Partner Organizations



**52+** Years of UN and Industry Experience



**50** Trusted Services and Digital Solutions



**5** Strategic and Operational Locations

# Who We Are: Mission, Vision, Strategy



## Mission

UNICC's mission is to provide trusted technology services and digital business solutions to its Clients and Partner Organizations



## Vision

UNICC will effectively and efficiently deliver shared services to its Clients and Partner Organizations, focusing on operational excellence in diverse areas of technology, where it can maximize economies of scale and added value, adapting in an agile manner to changing digital transformation demands



## Strategy

UNICC's Clients and Partner Organizations guide our strategy. The organization aligns its digital transformation plans to Client requirements and embraces the UN Secretary-General's [Strategy on New Technologies](#), his [Data Strategy for Action by Everyone, Everywhere](#), the High-Level Panel on Digital Cooperation's [The Age of Digital Interdependence](#) and other UN strategic plans.

# Our Locations



**New York**  
USA

**Geneva**  
Switzerland

**Rome**  
Italy

**Valencia**  
Spain

**Brindisi**  
Italy



# Clients and Partner Organizations



The largest digital business strategic partner in the United Nations system

# Clients and Partner Organizations



Over 90 Clients and Partner Organizations



# What We Do

## Cybersecurity Services

- Common Secure Operations
- Governance, CISO and Programme Support Services
- Cybersecurity Assessments
- Organizational Resilience Management Services
- Common Secure PKI Services
- Electronic Signature Services
- Secure AuthN Service
- Infrastructure and Network Support Services

## Data and Analytics

- Data and Analytics Common Services
- Business Intelligence Services and Data Management
- Advanced Analytics
- Database Services
- Data Governance Services
- Data Strategy and Roadmap Services
- AI Operations as a Service
- AI Cross-Product Shelf Integration Advisory
- AI Model Maintenance and Re-training as a Service
- AI Governance Assessment as a Service

## Cloud Services

- Cloud Broker Services
- AWS Management Services
- AWS Enterprise Support Affiliation Service
- Microsoft 365 Management Services
- Microsoft Azure Management Services
- Microsoft Azure AD (Entra) Management Services
- Cloud Web Hosting

## Digital Business Services

- MS Dynamics 365 Services
- MS Dynamics 365 Managed Services and Power Platform
- ServiceNow
- Digital Hub of Treasury Solutions
- Application Development Services
- Robotic Process Automation

## Platform Services

- Enterprise Resources Planning
- Enterprise Web Applications
- Enterprise SharePoint Services
- Business Intelligence Platform Support

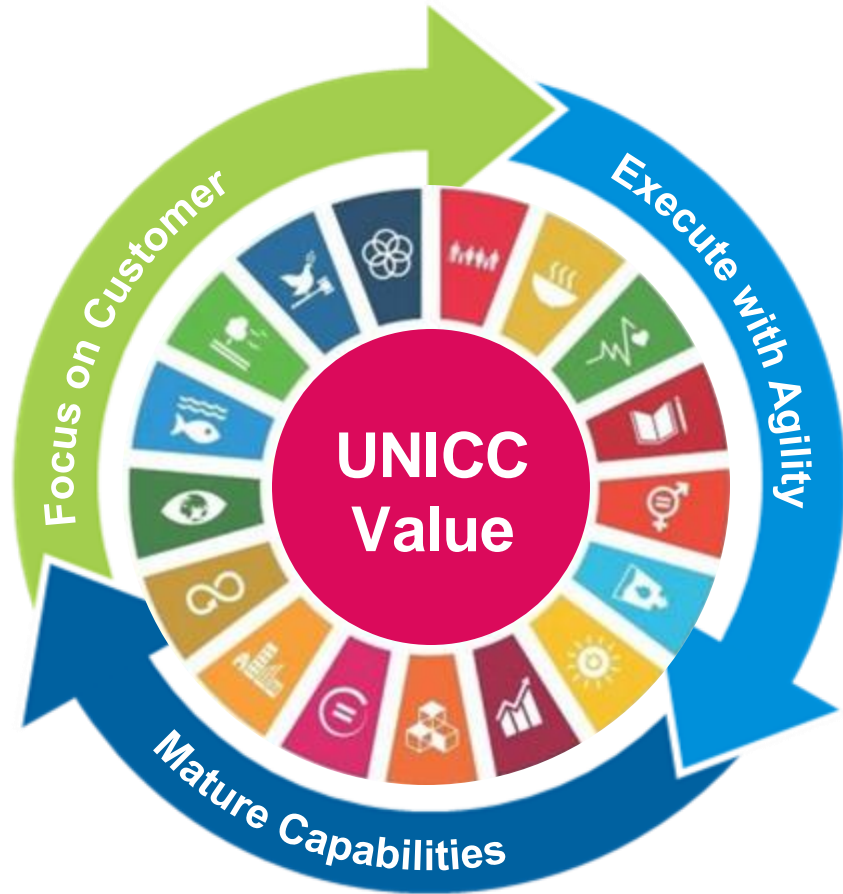
## Infrastructure Services

- Servers/Enterprise Server Support
- Storage on Demand and Management
- Enterprise Backup
- Data Centre Consolidation Services
- Network Services
- Internet and Connectivity Services
- Operations as a Service (OaaS)
- Service Desk Assessment

## Additional Services

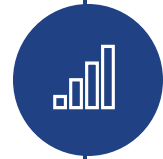
- UNICC Consulting Services
- IT Advisory Firm Services
- Change Management Services
- Learning Services
- Communications Services
- Project, Programme and Portfolio Services
- Monitoring as a Service
- Environmental Resilience and Sustainability Services
- Procurement as a Service
- Unified Endpoint Management

# How We Do It



## Innovate

- ✓ Thought leadership
- ✓ Insights and innovation



## Enable

- ✓ Accelerated time to value
- ✓ Knowledgeable Clients and Partner Organizations
- ✓ Delivery cost optimization



## Protect

- ✓ UN Privileges and Immunities
- ✓ World class data and application security

# Growth and Evolution

## 1971-1990

- Launched as an ICT shared services for UN family
- UNICC goes global
- UN Agencies join in
- Forged reputation on service delivery



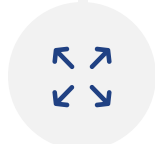
## 1991-2010

- 50% Client growth
- Largest ERP hosting services
- Infrastructure, network and application hosting with UN Privileges and Immunities
- Brindisi, Rome and NYC offices



## 2011-2018

- UNICC has new international certifications
- UNICC wins CSO50 cybersecurity award
- UN SG's Strategy on New Technologies alignment
- Cybersecurity and Operations Centre of Excellence at Valencia Spain



## 2018-2021

- UNICC Digital Transformation journey
- Cybersecurity Operations Centre (CSOC)
- UNICC wins CSO50 cybersecurity award
- 70+ Clients and Partner Organizations
- 50<sup>th</sup> Anniversary



## 2021 - Present

- UN SG's Data Strategy alignment
- New UNICC branding
- UN Tech Envoy Office alignments



# Strategic Partnerships



**17 PARTNERSHIPS FOR THE GOALS**

# Awards



2017

2019

2020

2021

2022 - 2023

2024

❖ **CSO50 Award**  
UNICC  
Cybersecurity  
services

❖ **Trade Facilitation  
Innovation  
Award** with  
FAO/IPPC-  
[UNESCAP Asia-  
Pacific Trade  
Facilitation Forum  
2019](#). ePhyto  
Digital Platform

❖ **UN Secretary-General Awards  
2020**

UNICC and UN OICT for M365  
migration - Global  
communications

❖ **CSO50 Award**  
UNICC Cybersecurity services

❖ **IT Dept Bravo Award for 2020**  
UNICC Disaster resilience

❖ **Reimagine the UN Together  
Challenge 2020**  
[UN Digital ID project](#) from  
the [UN Digital Solutions Centre](#),  
with operations by UNICC - UN  
Digital Identity

❖ **ITU Innovation Challenge 2020**  
UNICC and Microsoft's [UN  
Digital Academy](#)

❖ **UN Secretary-General  
Awards 2021**

UNICC and UNJSPF for  
the Digital CE solution -  
Blockchain

❖ **IT Dept Bravo Award for  
2021**

UNICC Ms Azure VD  
solution - Cloud services

❖ **Columbia University  
Most Innovative  
Thought Leader 2021**  
Data and analytics

❖ **World Procurement Awards  
2022 – DeepStream Digital  
Impact Award**

UNICC and PAHO - Robotic  
Process Automation

❖ **CDO Magazine Data4Good  
Award 2022**

For UNICC's SDG alignment to  
Quality Education (SDG 4) -  
UNICC Global Data Hackathon

❖ **BRM Team Award 2022 from  
BRM Institute**

❖ **Best Impact Project Award  
2023** with UNHCR from [Paris  
Blockchain Week 2023](#) –  
Blockchain

❖ **Learning  
Platform of the  
Year 2024** with  
UNOCT – [UNOCT  
Connect & Learn  
Platform](#)

# Standards, Certifications, Best Practices

## UNICC Operations

UNICC staff are trained in many industry certifications, qualifications and best practices.

1

ISO/IEC  
27001

ISO 27001:2013  
Information  
Security  
Certification

2

ISAE 3402

ISAE 3402 Audit  
Standard

3

COBIT-19

COBIT-19  
Governance  
Standard

4

PRINCE 2

PRINCE2  
Project  
Management  
Certification

5

ITIL V3

ITIL Service  
Management  
Framework

6

ISO/IEC  
20000

ISO 20000:2018  
Service  
Management  
System  
Certification

7

ISO/IEC  
22301

ISO 22301:2019  
Business  
Continuity  
Management  
Certification

# UNICC & Supercomputing



## Supercomputing for UNICC Data and AI Hub

- Partnerships with strategic private and public actors
- Digital foundation to support UN partners with advanced data processing and analysis capabilities
- Support to **UNICC Data and AI Hub** in providing appropriate computational capacity and power needed to process very large volumes of data at high speed and low latency that traditional computing cannot sustain, ensuring robust data integrity, ethical compliance, and optimal model performance



## Modular integration into Supercomputing

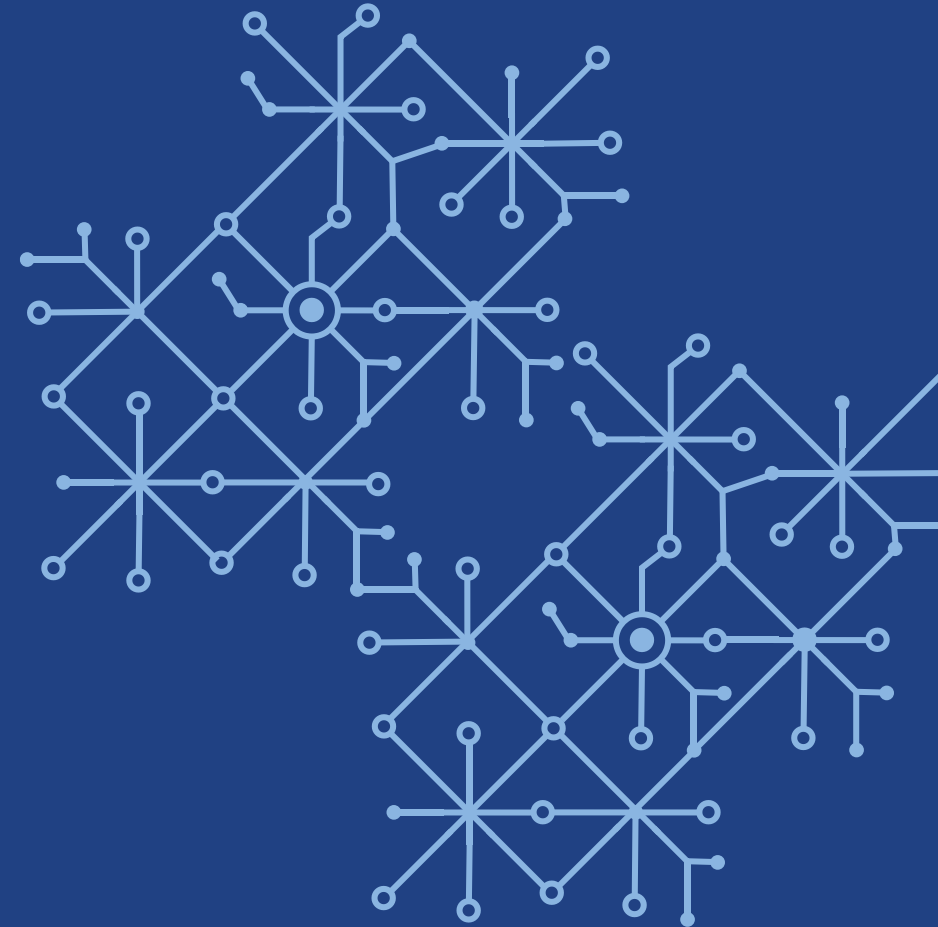
- Identification and scaling of HPC resources needs
- Support in high-speed and secure data transfers to HPC facilities
- Rapid HPC resources allocation and dedicated connection
- 24/7 operational support for production workloads
- Regular HPC resource usage review
- Cost control and advice on cost optimization
- Central contract management





# UNICC AI Hub

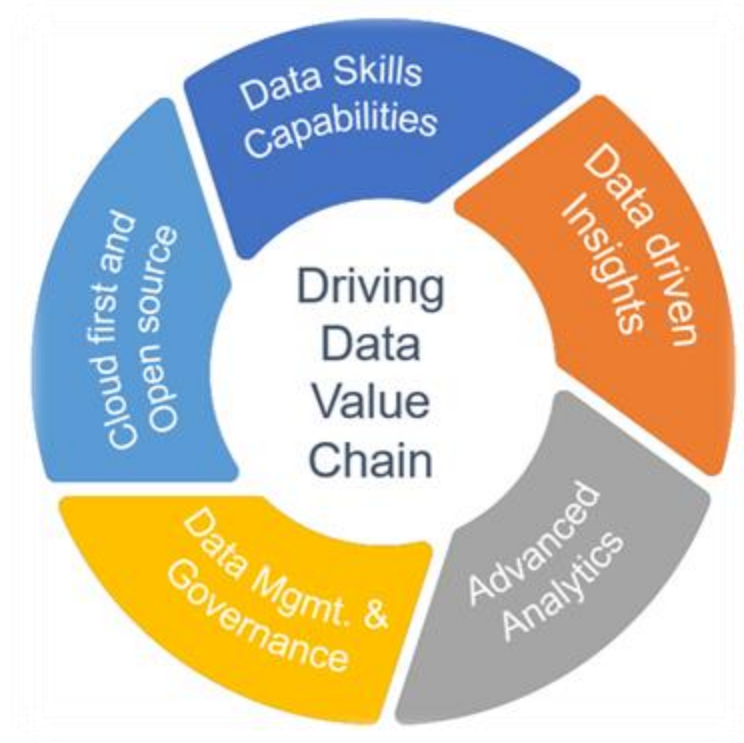
Presented by: Anusha Dandapani  
Chief, Data & AI





# Introduction to UNICC AI HUB

- **What it is:** within the UN ecosystem, the AI Hub is a multifunctional entity, gathering best-in-class experts, partners, knowledge, solutions and capabilities
- **What it does:** it provides AI expertise, products and training to UN organizations, international organizations and Member States, to help them accelerate positive impact
- **What we offer:** it provides solutions that are UN-tailored, battle-tested, cost-effective, secure and compliant
- **What is our ambition:** to become the go-to resource for the UN ecosystem on AI products and services



# UNICC AI Hub

UNICC AI Hub focuses on both Predictive and Generative AI

## Predictive AI

Assist UN partners in setting up and scaling Predictive AI projects, ensuring robust data integrity, ethical compliance, optimal model performance etc.



## Generative AI

Assist UN partners in setting-up and scaling Generative AI projects, providing cybersecurity guidance, ensuring ethical compliance, correct prompt set-up etc.



# UNICC's Data & AI team | Structure

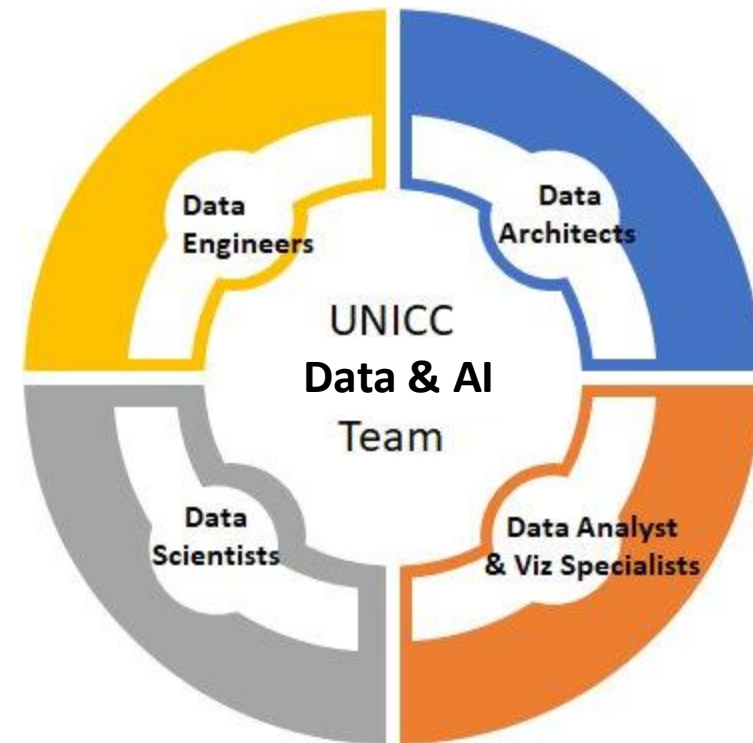
## Embedded AI & ML Team

### Why this matters:

- ⇒ Build, train, deploy, tune, validate models with high expertise

### Strategic Partnerships:

- ⇒ Aligned with its Strategic Framework 2024-2030, UNICC has consolidated a robust portfolio of AI services tailored to UN standards, frameworks, strategies, and principles. This includes fostering strategic partnerships with relevant private and public actors to better support its partners and clients.



# Capabilities & offerings

AI services | Strong deployment capabilities with data science & ML offering

## AI Operations as a Service



Streamline AI operations by centralising AI services, solutions & cloud infra **within a unified platform**. Assist clients in building robust data assets & models using a reusable framework. Provides technology-agnostic solutions tailored to accelerate Clients' AI transition

## AI Cross-Product Shelf Integration Advisory



Establish an **AI solution deployment strategy and develop a roadmap** centred around UN Data and AI **best practices**, supported by enabling a **Cloud-based technology stack**. Bring together ready-to-use cloud-based solutions, integrate within UN partner ecosystem, utilize **accelerators** to deploy AI models and implement responsible AI design frameworks

## AI Model Maintenance and Re-training as a Service



**Support clients with model maintenance and performance** tracking of already deployed AI environments. Accelerate their AI initiatives and create measurable business value through **automation of data pipelines, DevOps, ML Ops, LLM ops frameworks, GPU optimization**

## AI Governance Assessment as a Service



Help identify **data silos**. Provide support with an **AI governance roadmap** to clarify roles, responsibilities, standards & policies and to ensure **accountability for data assets**, AI models and outcomes. Provide a report on potential for improvement & way forward.

# UNICC AI Use Cases

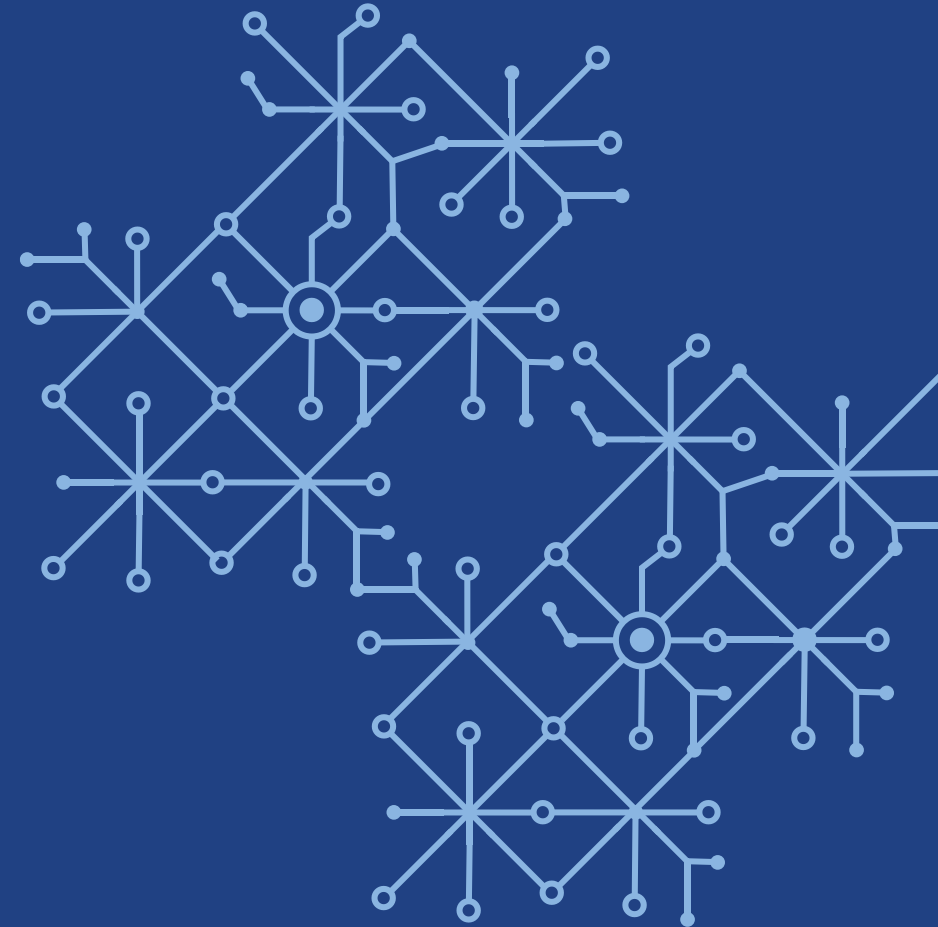
1. Conversational AI Interface: UNIFY HR AI Bot on HR Knowledge repository
  2. AIDA Search Portal: Artificial Intelligence for Development Analytics
  3. MPTF Document Intelligence
  4. Categorization of Incidents
  5. Extraction Insights From Closure Reports Documents
  6. UNITAD Zeteo - Evidence Analysis platform
  7. Sentiment Analysis in Surveys or Social media
- [UNICC and Humane Intelligence to Develop AI Governance Tools and Infrastructure](#)
  - [Artificial Intelligence Powers UNDP's Evaluation Solutions](#)



# UNIFY HR Use Case



# Supercomputing for AI Solutions



# AI Services on HPC

UNICC AI Services on HPC provides **self-service HPC environment**, enabling teams to **quickly create and deploy templates for complex multi-tier applications** with intricate network topologies.

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These services allow partners to efficiently manage **proof-of-concept deployments**, ensuring they utilize only necessary services and remain within their intended lifespan.

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Perfect for hosting **on-demand labs, demos, and learning sandboxes**.

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In addition, It will allow clients to **safely evaluate AI Models' potential risks** while minimizing costs through economies of scale.





# Thank you!

Digital.  
For the UN family

