

HLRS

Thirty Years, One Vision

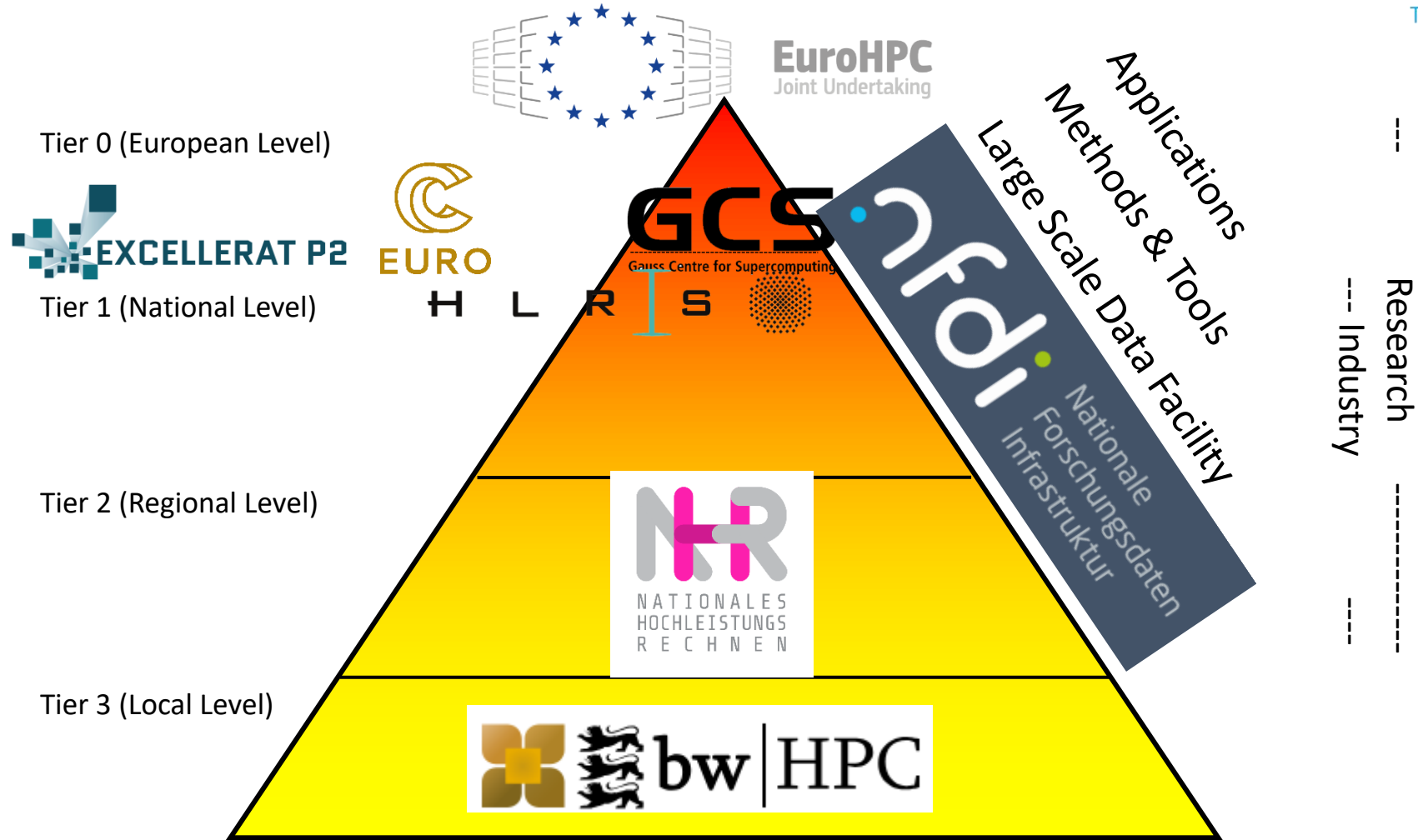
High-Performance
Computing Center
Stuttgart

HLRS – Status and Outlook

Michael Resch, HLRS, University of Stuttgart

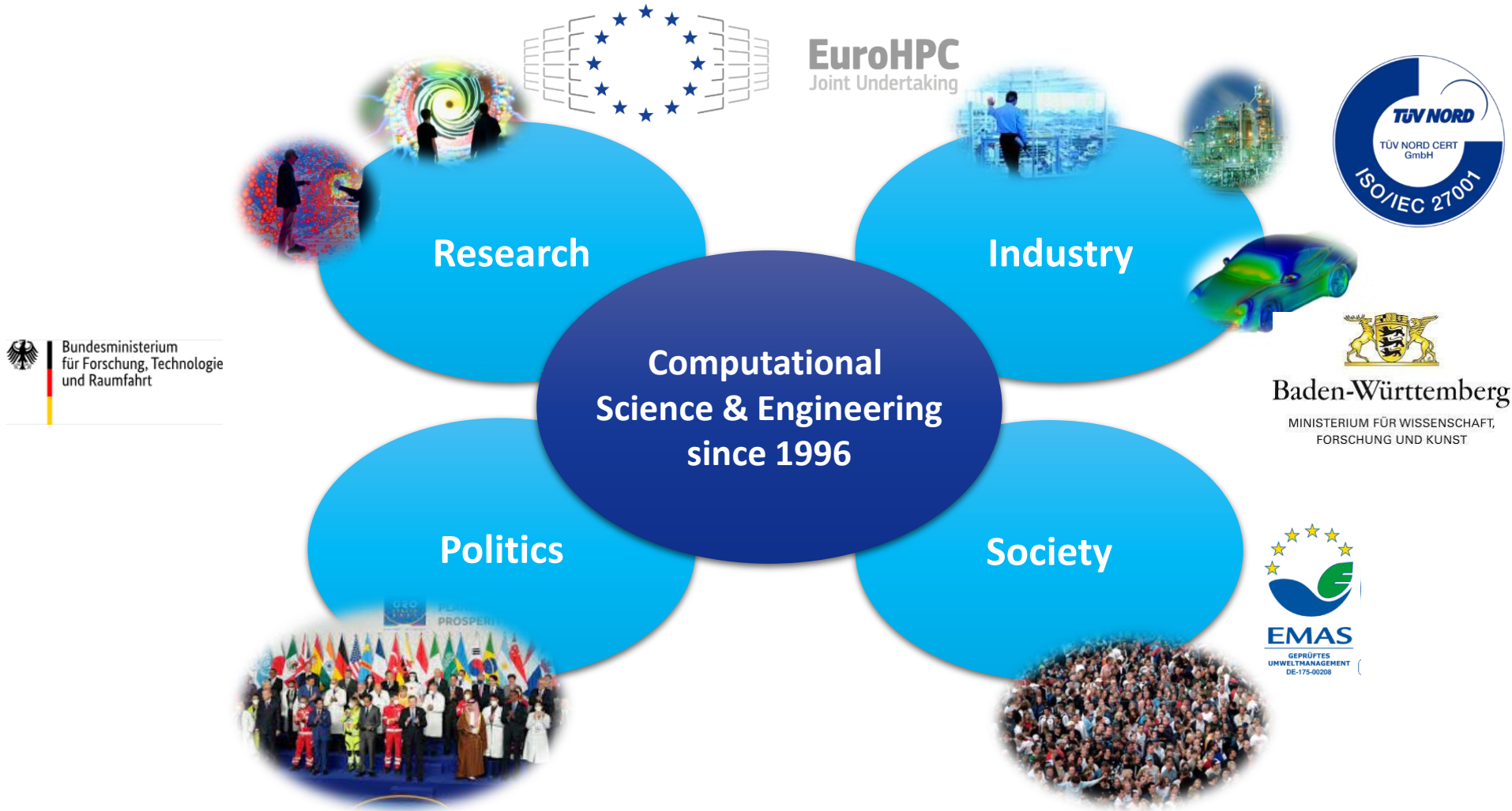
41st Workshop on Sustained Simulation Performance, Stuttgart, April 23, 2026

The HLRS Ecosystem



Mission of HLRS

HLRS
Thirty Years, One Vision



Systems@HLRS

HLRS
Thirty Years, One Vision



Hewlett Packard
Enterprise



Bundesministerium
für Forschung, Technologie
und Raumfahrt

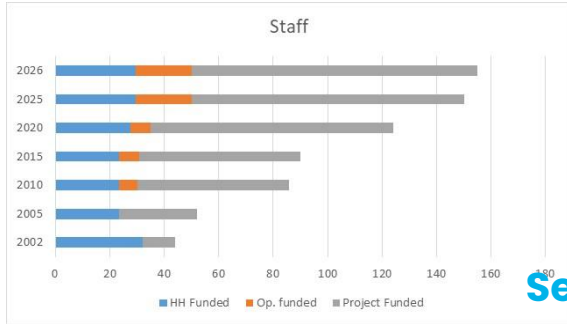
AMD



Baden-Württemberg

MINISTERIUM FÜR WISSENSCHAFT,
FORSCHUNG UND KUNST

Approach and KPIs of HLRS

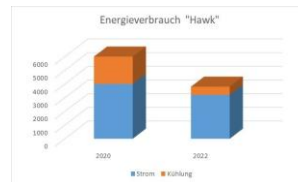


Services4Science

Supporting our users in their leadership in science and industry

Operation & Infrastructure

Keep operations efficient, sustainable, stable and secure

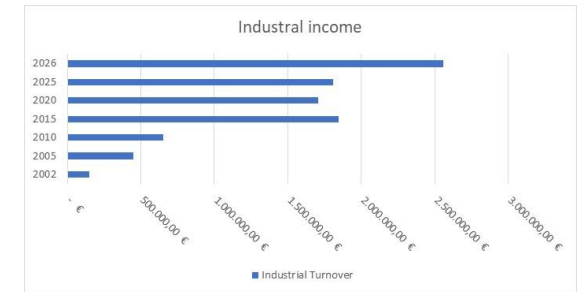


Research & Development

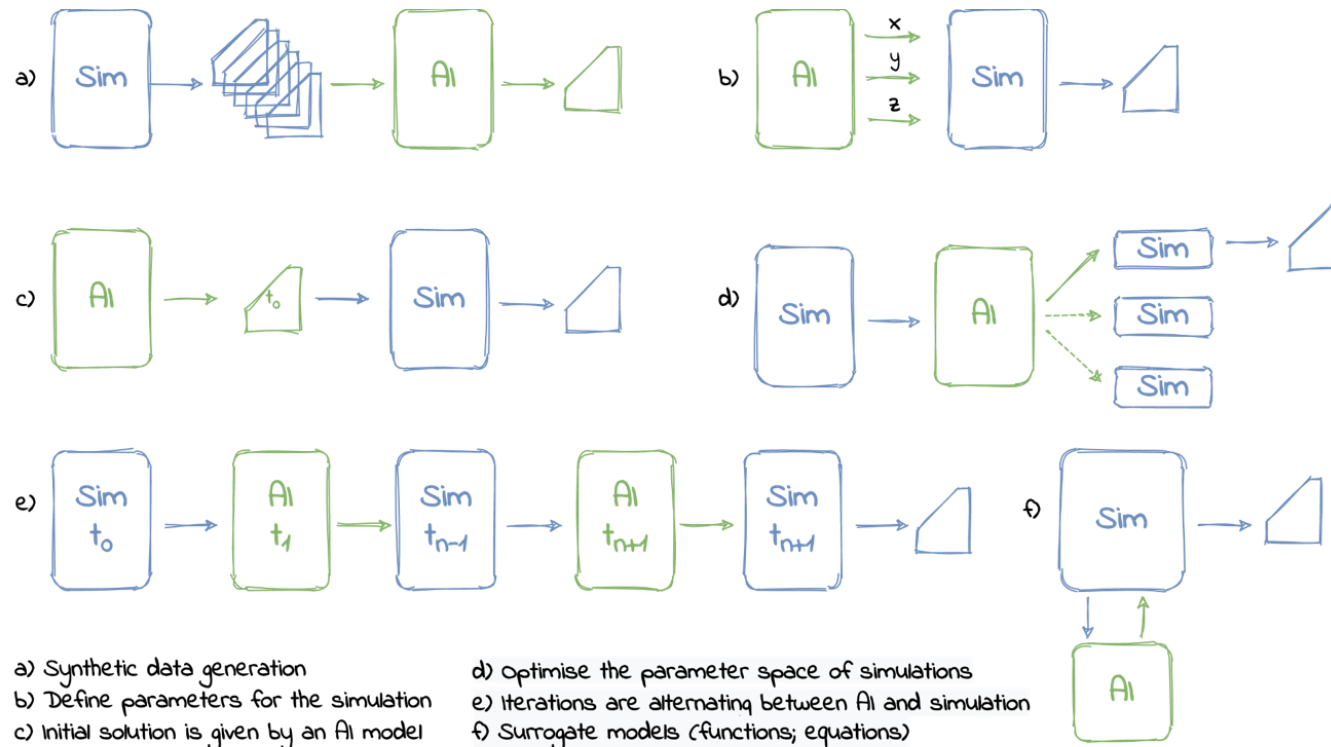
Explore new approaches to keep our leadership role in simulation and AI

Industry & Society

Provide best HPC solutions for industry and the public sector



The Challenge: Simulation and AI



Dennis Hoppe, HLRS

AI Factory HammerHAI

HLRS

Thirty Years, One Vision



<https://www.hammerhai.eu/>



HammerHAI

Germany's AI Factory for
Manufacturing, Engineering, and Research

Artificial intelligence offers new opportunities for innovation and discovery. Whether you work in industry, in an SME or startup, or in academic research, HammerHAI can provide access to the hardware, tools, and expertise you need to develop new and more powerful AI applications and services.

Get Started

Where are we headed?

	H2/26	H1/27	H2/27	H1/28	H2/28	H1/29	H2/29	H1/30	H2/30	H1/31	H2/31	H1/32	H2/32	H1/33	H2/33	H1/34	H2/34	H1/35	
Infrastructure & Buildings	New Building					Old building adaptation													
Systems & Storage	Hunter (40 PF)																		
	Herder (x00 PF)												Next Generation HLRS						
	NEC Cluster												1-2 EB						
R & D	SIVeGCS																		
	National HPC Programs																		
	bwHPC C5																		
	CoE																		
National	CASTIEL / EuroCC																		
State	HammerH2																		
European																			
Industry	HWW																		
	SICOS																		
	Public Entities Solution Center / Communal Solution Center																		
	Media Solution Center																		
	Medical Solution Center																		
Outreach	Outreach continued																		
Edu / Train	European / National / State wide training																		
Sustainability	Philosophy of Science				Funding unclear														
	Sustainability																		

H L R I S

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