



Asnet **AM**

# ASNET-AM: National PA Strategy

SIG-Public Affairs and Policy Home  
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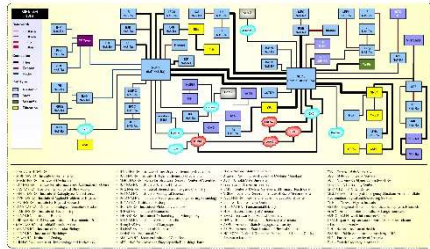
## Organization

- ASNET-AM is operated by the Institute for Informatics and Automation Problems of the National Academy of Sciences of Armenia (NAS RA)
- Founded in 1994 by the decision of the presidium of NAS RA
- Provides advanced networking services to universities, research institutes, cultural and educational organizations
- Critical digital infrastructure for science and education in Armenia



# Vision: National e-Infrastructure for Research and Technology

## High-speed network

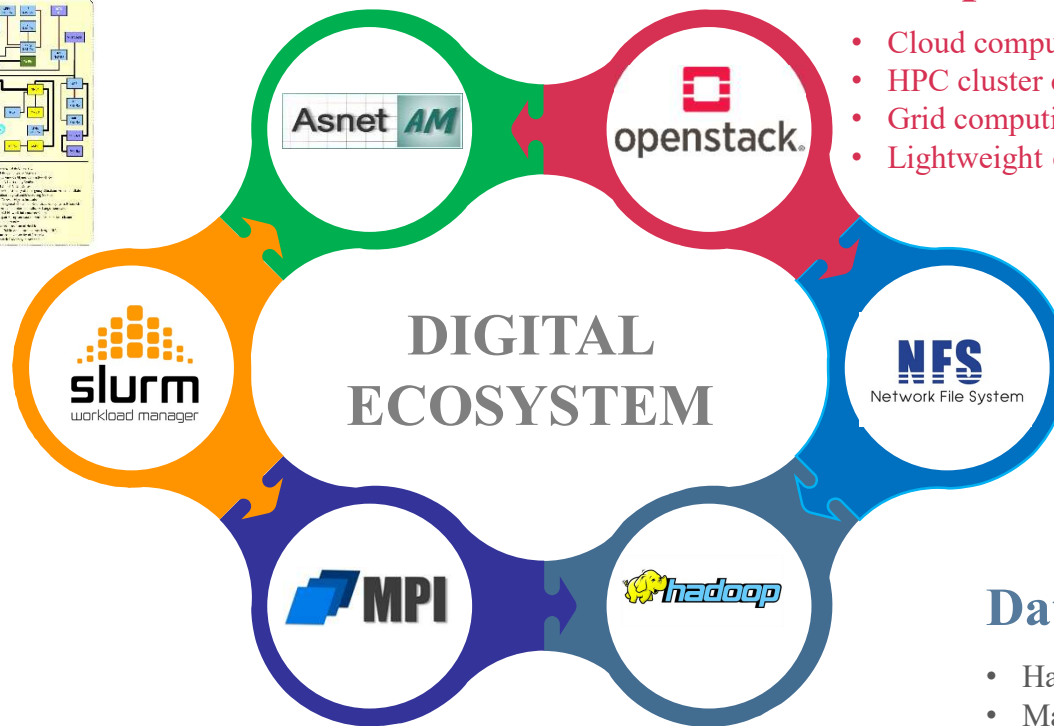


## Software

- Libraries
- Packages
- Middlewares
- Queue systems
- Ticketing systems

## Algorithms

- Distributed & parallel
- AI and machine learning
- Data analytics



## Computing resources

- Cloud computing
- HPC cluster computing
- Grid computing
- Lightweight computing

## Storage resources

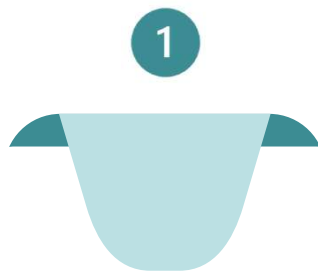
- Cold
- NAS
- Hybrid
- All-flash

## Data processing

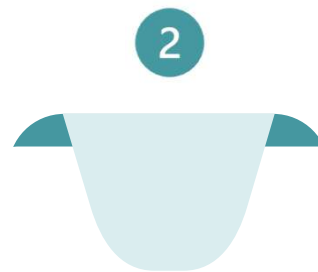
- Hadoop/Spark
- MapReduce
- Archiving



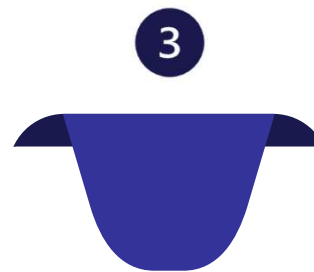
# Mission and Public Value



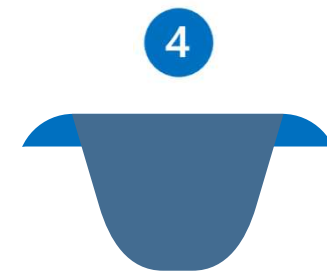
**Enable high-speed, secure connectivity for research and education**



**Support national innovation and scientific excellence**



**Reduce digital divide between Armenia and global research ecosystem**



**Act as a trusted public digital infrastructure provider**

# ASNET-AM as a public institution

## Public interest

Operates in the public interest as a state non-profit organization under the Research Institution

## National priorities

Aligns activities with national priorities in:

- Education
- Science
- Digital transformation

## Accountability

Accountability to stakeholders and funding bodies

- Ministry of Education, Science, Culture and Sports of the Republic of Armenia
- National Academy of Sciences of Armenia

# Public Affairs

## 01 ENGAGEMENT

1. Cooperation with relevant ministries and agencies
2. Input to national strategies on research infrastructure, digital education, and cybersecurity
3. Advisory role on R&E networking needs

## 02 POLICY SUPPORT

1. Provides technical expertise to policymakers
2. Translates research needs into policy-relevant language
3. Supports evidence-based decision making
4. Helps shape digital infra policies

## 03 COOPERATION

1. Represents Armenia in international R&E networking community
2. Active participation in GÉANT and e-infrastructure projects

## Role within GÉANT Ecosystem

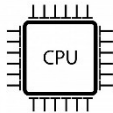
- Participation in steering committees and SIGs
- Contribution to joint research and innovation projects with academia and industry
- Alignment with European best practices and standards (FAIR, etc)
- Strengthening Armenia–EU scientific ties (active participation in Horizon Europe, Erasmus, and other projects)

# Strategic Partnerships - National Supercomputing Center - 2024

**SUPPORTED BY**



ՀՀ Կառավարություն  
Government of the RA



**Processor**  
 Processor: Intel E5-2698V4  
 Cores: 20  
 Total Threads - 40  
 Max Turbo Frequency - 3.60 GHz  
 Base Frequency - 2.20 GHz  
 Cache - 50 MB Intel® Smart Cache

**Compute node**  
 Bullx BL720  
 Processors: 2  
 Cores: 40  
 Ram: 64GB DDR4  
 HDD: 256GB SSD

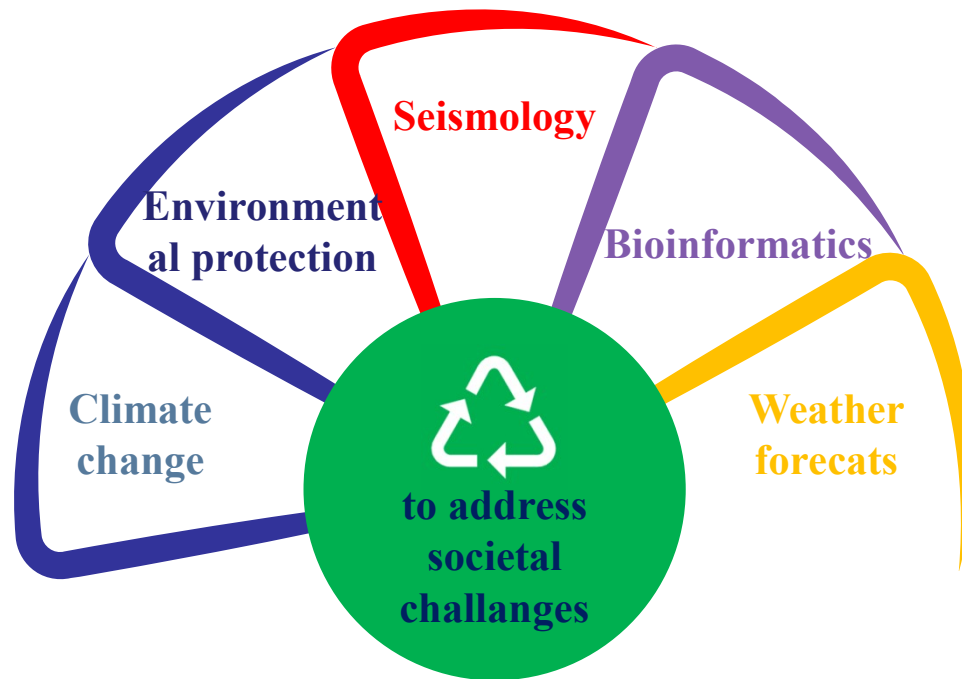
**Compute rack**  
 Compute nodes: 90  
 Cores: 3600  
 Interconnect: Infiniband FDR  
 Infiniband switch for computing  
 Cisco switches for managing

**Supercomputer**  
 Peak performance: 0.86 PFlop/s  
 Compute nodes: 612  
 Cores: 24,480 of CPU  
 Memory: 39 TB  
 Storage: 1.5PB (row capacity)  
 Linux Operating System

**PARTNERING WITH**



# Strategic Partnerships - National Target Programme

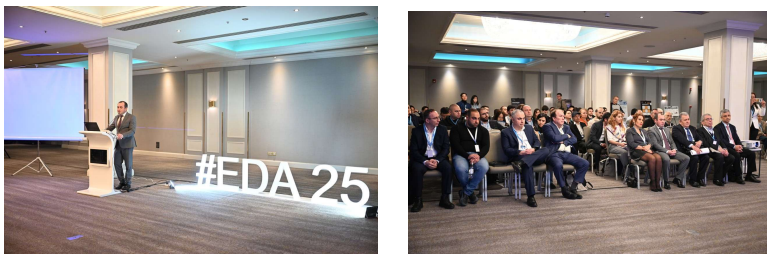


# Public Communication and Outreach

- Organization of workshops and conferences
- Public presentations and reports
- Awareness-raising on research connectivity, AI, HPC, EO data infrastructures
- Visibility in scientific and policy communities

## EDA Connect 2025: Bridging Industry and Academia

13-14 March, 2025, Armenia Marriot Hotel Yerevan, Armenia



Synopsys AMD NVIDIA Siemens Samsung



20th International Conference on  
Scientometrics & Informatics  
23-27 June, 2025, Yerevan, Armenia



## Challenges in Public Affairs

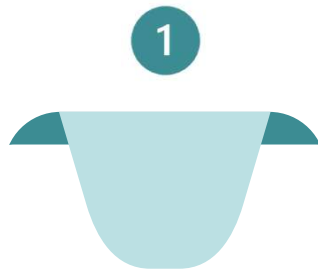
Limited  
funding and  
resources

Rapidly  
evolving  
technology  
landscape

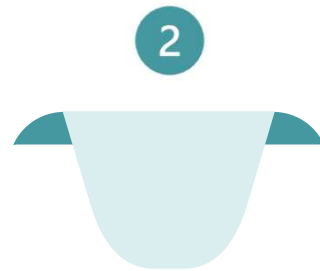
Need for  
stronger  
policy  
awareness

Local  
competition  
with ISP  
providers,  
industry &  
big players

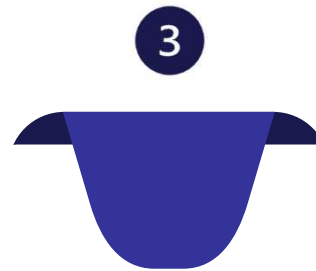
# Opportunities Ahead



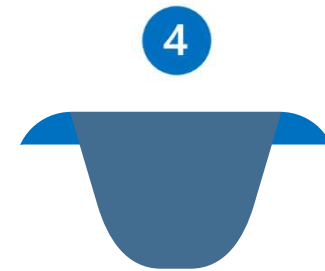
**Deeper  
integration with  
European  
research area**



**Expansion into  
HPC, cloud, AI,  
and data services**



**Stronger role in  
national digital  
strategies**



**Increased  
visibility and  
leadership**

## Strategic Priorities

- Strengthen government dialogue
- Professionalize public communication
- Expand international representation
- Measure and communicate impact more effectively

## Conclusion

- ASNET is a key public actor in Armenia's digital research ecosystem
- Public affairs are central to its sustainability and impact
- Strong engagement enables national and international success
- Effective public affairs are essential to ASNET's long-term sustainability and impact.