

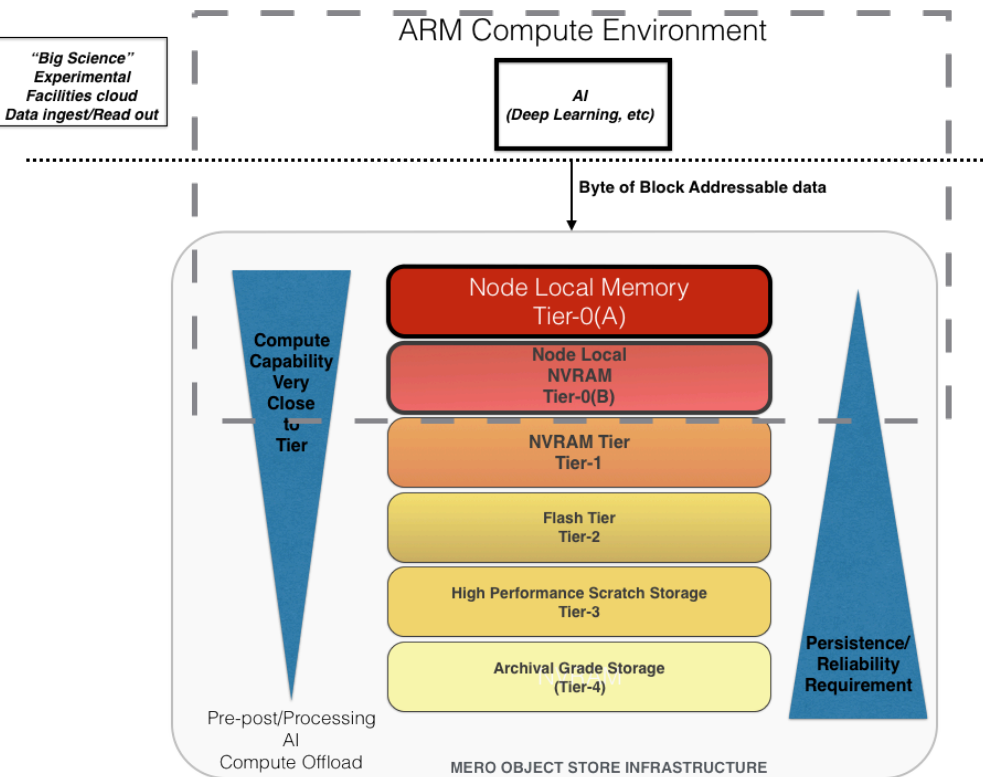
# Sage2

Building a Hierarchical storage platform for the extreme data era

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## Vision:

Extending storage systems into Compute nodes & blurring the lines between memory & storage

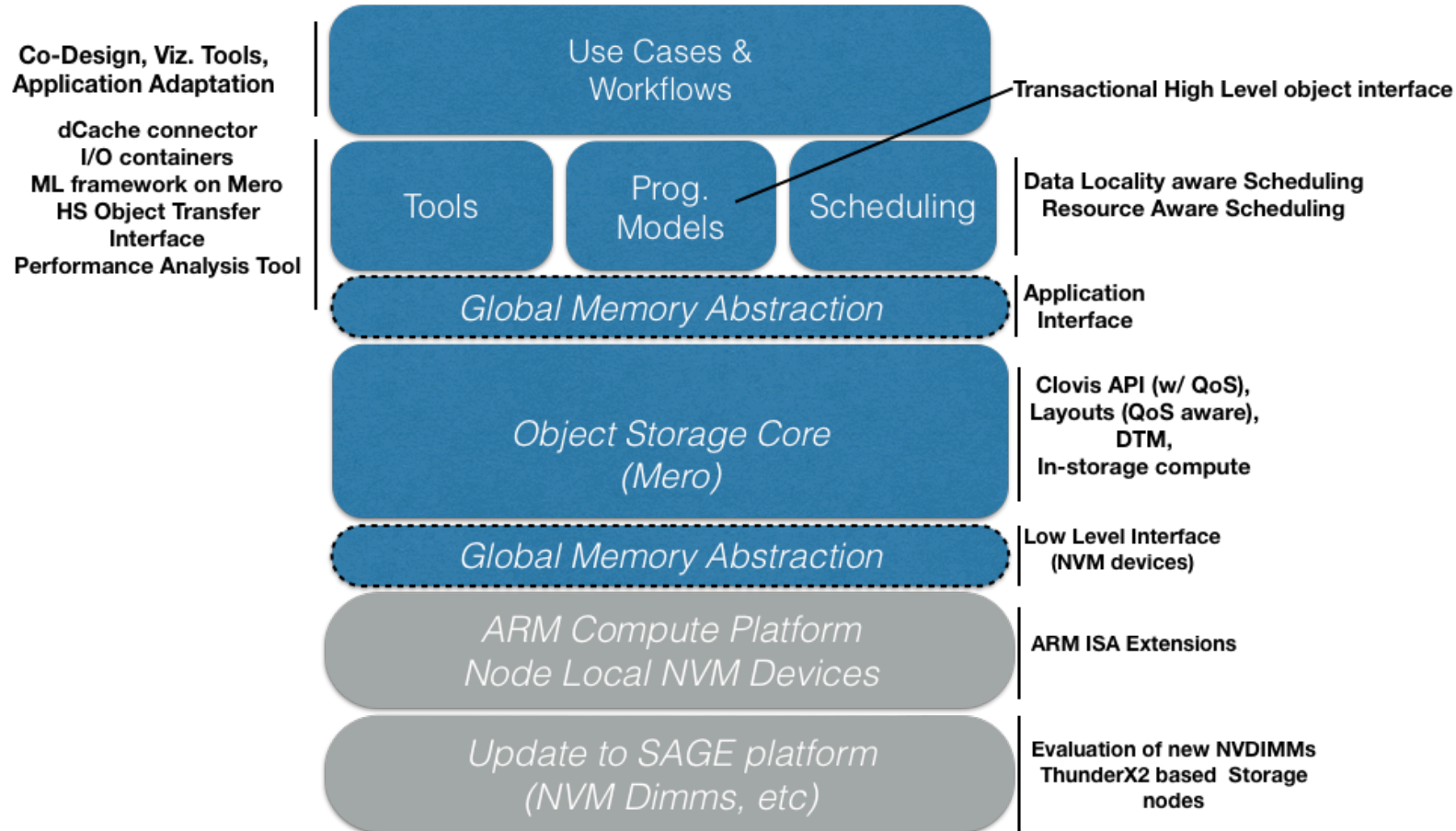
## Four primary Innovations

1. **Compute node local Memories** part of storage stack
2. **Byte Addressable extensions** into Persistent storage (Global Memory Abstraction)
3. **Co-design** with new workflows: Mainly Data analytics pipelines w/ **AI/Deep learning**
4. **Co-design** with **ARM based environments** – moving towards power efficient Exascale goals.

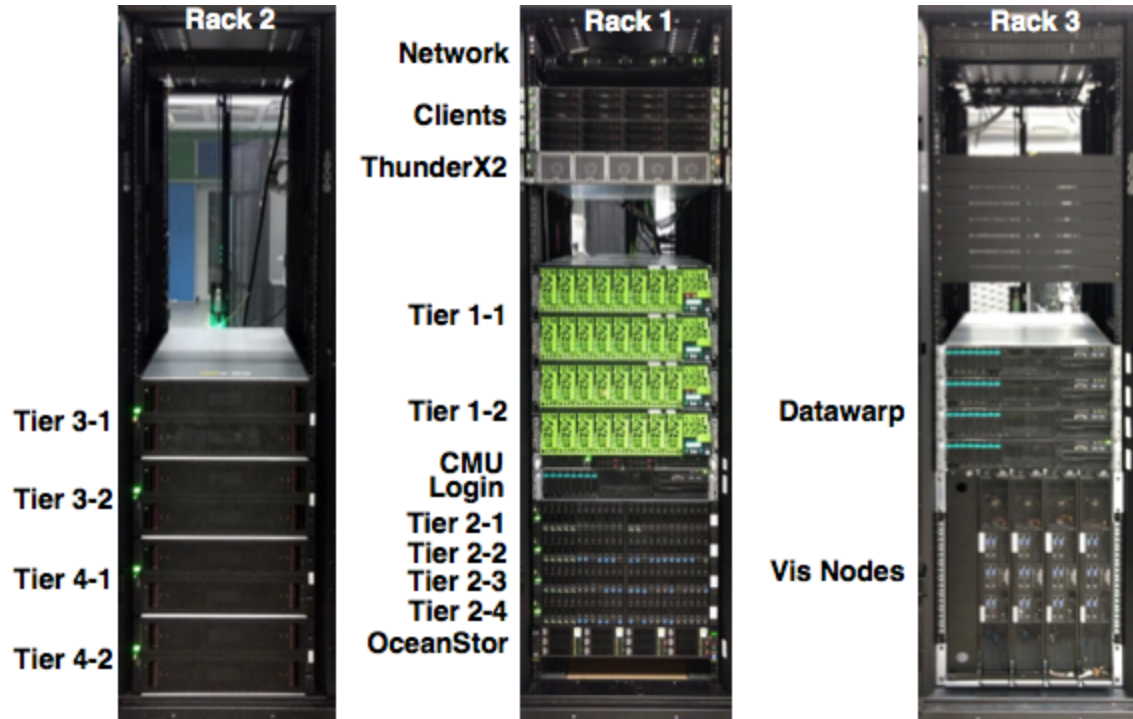
*AI/DL use cases expected to be memory intensive & will exploit node local memory which will need to be extended*



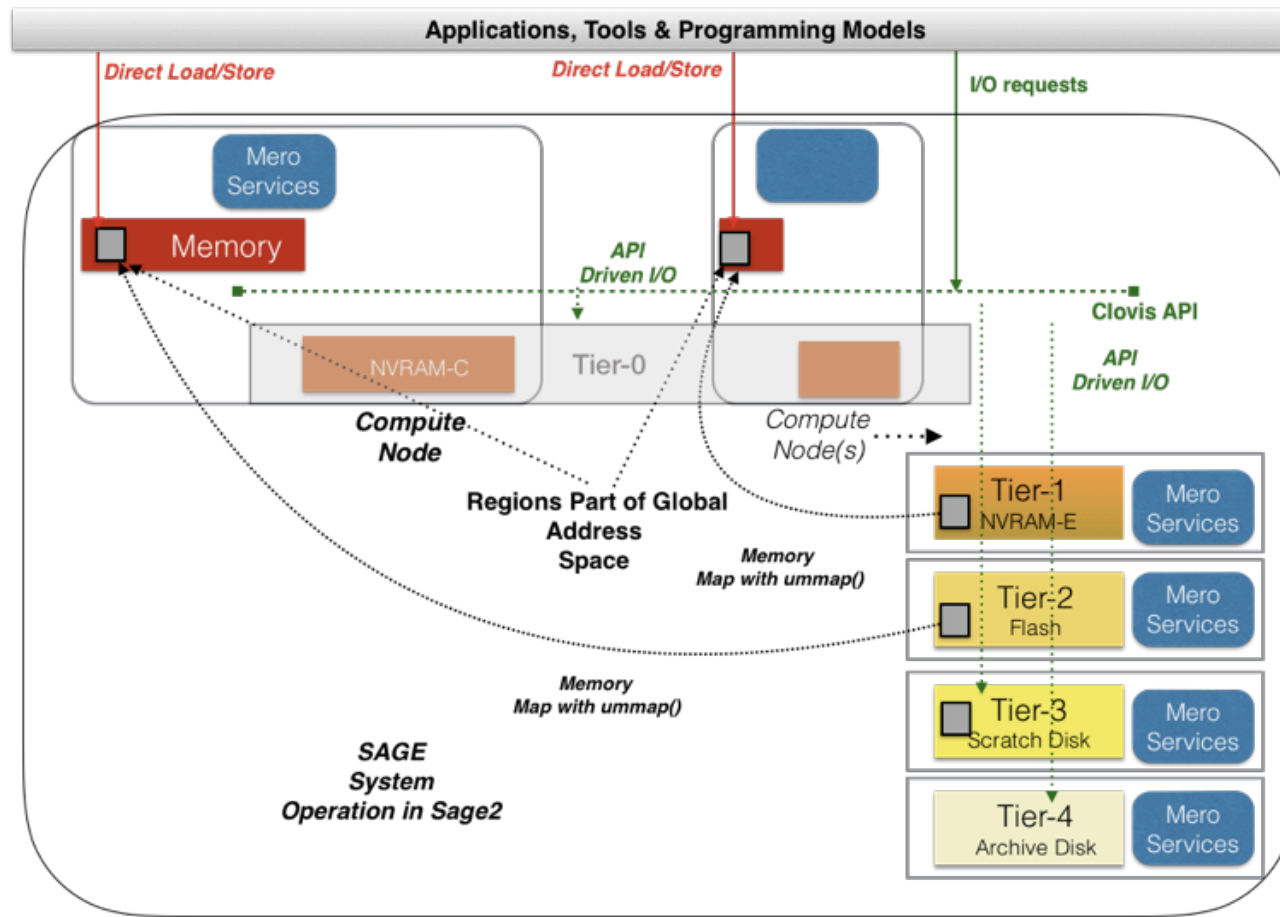
# Sage2 System Stack



# SAGE Prototype Update Status (Juelich)



# Sage2 System Operation with Mero



# Thank You

More information: [www.sagestorage.eu](http://www.sagestorage.eu)

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