



H-HW&SW

Heterogeneous Hardware & Software

Alliance

**Simplify & Optimize
Heterogeneity**

pursuing a common objective with the Heterogeneity Alliance:
influence and develop the heterogeneous market

we live in an

heterogeneous world



Heterogeneity

challenging but... also hard!

it provides lots of specific benefits

it's growing due to a number of devices

it's expected to explode even more

heterogeneous hardware ecosystem

highly heterogeneous



Heterogeneity

better together

Your Cool
Tools &
Technologies



Your Cool
Tools &
Technologies



Your Cool
Tools &
Technologies



Your Cool
Tools &
Technologies



there is an opportunity

let's do something



Heterogeneity

better together



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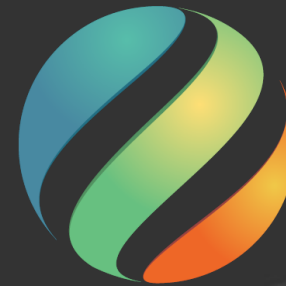
influence the market
& close the gap

TANGO pursues creating an **Alliance**



we are creating an **alliance**
of organizations interested in
technologies & tools related to
heterogeneous hardware:

development
deployment
operations
and **optimization**
of energy & performance & more



H-HW&SW

Heterogeneous Hardware & Software

Alliance

Industry

Academia

**Research
Projects**

**Open Source
Initiatives**

**Interested
Parties**

**Standardization
Bodies**

influence & develop the market

Alliance main goal?



we want to... influence & develop

found an association with a common purpose of interaction and collaboration with other interested entities involved in any technological field related with the full life-cycle of heterogeneity.

support the creation of a common and extendable set of technologies & tools around development for heterogeneous hardware, shared as open-source, which can be improved for mass adoption utilizing technologies

in which all members collaborate taking charge of **promoting**, supporting, and enhancing the assets shared by the Alliance.

and **benefit** from the synergies, opportunities, visibility and relevance that the community around can generate for their own objectives and closing the gap between research and industry

collaborate to

improve HHW



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reference architecture



catalogue of tools &
technologies

collaborate to

improve HHW



abstract & control

Simplify & Optimize Heterogeneity

Current Activities

Defining the Common Architecture & Catalogue of Tools

Establishing Working Groups (periodic meetings & sessions)

Governance Structure & Membership Agreement

Leverage Visibility at HiPEAC, Launch Events, Website,
Joint publications

participate to benefit and help

improve HHW



Current members

10 research projects



12 organizations



participate to benefit and help

improve HHW



abstract & control

Simplify & Optimize
Heterogeneity

better together



we want to grow and
become even more relevant

contact us



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**For more information about the alliance
contact us:**

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