

Update KDT JU

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for ESBS AUSTRIA – Vienna 19 October 2022

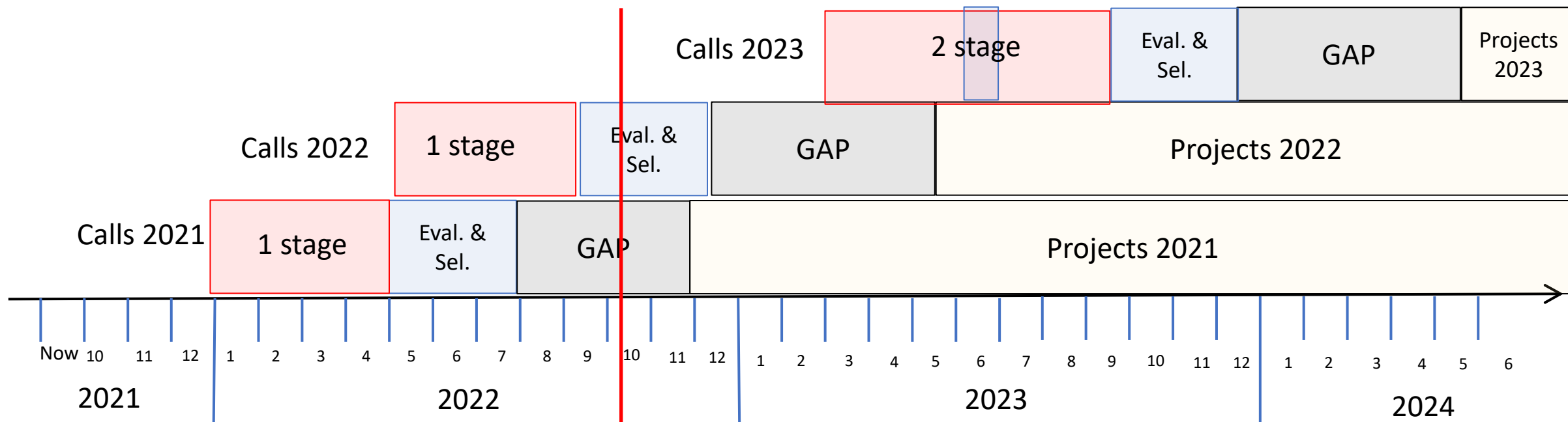


Key Digital Technologies Joint Undertaking

- Call 2021: PAB RIA (6+1) IA (4+3) CSA (1), now GAP
- Call 2022: Evaluation next week; PAB 1st week Dec.
- Workplan 2023 in preparation with focus topics
- KDT JU as per Single Basic Act (9 JU's)
 - Central Management of Financial Contributions (as from ~~1st~~, ~~2nd~~, 3rd, ... call ?)
 - Common Back Office (BOA) (Accounting from 01/12 2022 !! ...)
 - Administrative resources !!

KDT JU 3-year planning

The timeline is approximate (but proven to be still very accurate so far 😊)



	2021	2022	2023
EC budget	208 M€	254 M€	± 300 M€ (estimated)
Topics	RISC-V, AI/edge, CSA	RISC-V, Photonics, Green ECS/Deal	tbc

KDT JU current concerns

- Participating states financial contributions
- Bottom up vs. top down/focus topics
- Back Office Arrangements/Accountant
- Expectations & planning towards the Chips Act & Chips JU (ETA Summer 23 ?)
- ...

Draft ITRE report by Dan Nica on Chips Act - 1

- ITRE will discuss [draft report](#) by Dan Nica on Chips Act on October 13
 - Deadline for amendments is October 13
- General amendments
 - Don't fund Chips Act at expense of other RD&I activities under HE
 - Consider fresh budgetary resources for Chips Act in mid-term review of MFF
 - Provide added value for all MS
 - Create synergies with Recovery and Resilience Facility (RRF) to support IPCEI projects
 - Enhance consultative role of industry in governance, especially through Alliance
 - Increase international cooperation with likeminded partners
 - Ensure protection of IP and trade secrets contained in chips

Draft ITRE report by Dan Nica on Chips Act - 2

- Amendments on Pillar 1
 - Ensure geographical balance
 - Clarify ECIC as new legal instrument
 - Focus more on quantum technologies; support dedicated pilot lines for quantum chips
 - Make Competence Centres support talent pipeline
 - Set up exchange programme for researchers in like-minded countries and in Europe
- Amendments on Pillar 2
 - Extend FOAK scope to product innovation, contribution to security of supply, processing of raw materials, manufacturing materials and equipment
 - Establish fast-track approach for FOAK recognition
 - Make FOAKs support talent pipeline and contribute to cohesion
- Amendments on Pillar 3
 - Make structural EC effort to map supply chain to help prevent, rather than manage crises

Conclusion

- The world becomes more complicated.
- High/er/st EU priority on digital !
- KDT JU is up & running well !
- CHIPS JU is next ...

PUTTING EUROPE AT THE TOP

With these aims in mind, ECSEL JU has:

- triggered multi-billion-euro investments in semiconductor manufacturing infrastructures and their supporting activities in Europe, underpinning a vital autogenous technology capability
- delivered standards, processes and tools that keep EU industries ahead in Industry 4.0 manufacturing
- kept European suppliers at the global forefront of safety-critical electronics, such as those in aeroplanes, (self-driving) cars, trains, and medical equipment
- established European suppliers as leaders in power electronics – used worldwide in (sustainable) electric vehicles and energy management systems – while aiding the transition to ‘green digitalisation’ as a key objective of the current European Commission led by Ursula von der Leyen¹
- developed open technology platforms and pilot lines for the cost-effective delivery of advanced medical devices, helping to counter rising healthcare costs
- put European companies on the map when it comes to supplying advanced chips (FD-SOI and TF-SOI technologies), used globally in mobile devices, multi-band, 5G and beyond

In addition, ECSEL JU has stimulated the emergence of ecosystems of industry, SMEs, and research organisations in many pivotal areas of ECS supply networks. As a synergy tool, the ECSEL JU Lighthouse Initiatives are a manifestation of this.

“ECSEL JU has consistently focused on microelectronic products designed and manufactured in Europe.”
Thomas Morgenstern, GlobalFoundries

¹ https://ec.europa.eu/commission/presscorner/detail/en/political_guidelines_next_commission_en.pdf – political guidelines for the current commission, page 5

It was a pleasure to work with you!

(1) <https://www.ecsel.eu/news/powering-digital-transformation-europe>