

Press Release

November 2016

HEADS: Towards the future computing continuum

What the project is about

The [HEADS project](#) is an EU-funded project that started around three years ago and is being operated by leading European industries and academic institutions. HEADS has managed to provide a new integrated software engineering approach which enables the advanced exploitation of the full range of diversity and specificity of the future computing continuum. HEADS is developing an open-source Integrated Development Environment (IDE) supporting the collaboration between platform experts (having a deep knowledge of a reduced set of platforms) and service developers (needing to deal with a large set of platforms to develop added-value services). The HEADS IDE can be used by service developers and benefit by allowing them to easily exploit a set of heterogeneous platform (mobile devices, sensors, smart objects, etc.) in the design of their cloud based services. The HEADS IDE also benefits platform experts who can capitalize their knowledge of a specific platform as a reusable plug-in for the HEADS IDE. Depending on the platforms and commercial objectives, the HEADS plug-ins can be developed with different licensing models ranging from open-source to fully proprietary.

The vision which became a reality

Three years ago HEADS envisioned a new integrated software engineering approach which allows advanced exploitation of the full range of diversity and specificity of the future computing continuum by providing advanced support for system and platform integration, coping with vast heterogeneity and a seamless and coherent operation of systems that executes on this future computing continuum. This was reached through the following objectives:

- Provide service developers with new abstractions to develop heterogeneous and distributed (HD) services
- Provide platform experts with efficient means to capture their knowledge
- Make the HD-Service lifecycle safe, predictable and consistent
- Manage the flow of big data across the future computing continuum
- Provide seamless dynamic deployment and evolution of HD-Services

HEADS upcoming meeting and tutorial, and Deutsche Welle presence

On 22-24 November 2016, HEADS project consortium is hosting its 11th plenary meeting at the [Civitel Attik Hotel](#), in Northern Athens, Greece. The aim of the meeting is to discuss on the latest HEADS achievements. The second day (23 November) will be dedicated to the HEADS tutorial with external software engineers in which the developed tools and demos will be presented.

We are also proud to announce that the solutions proposed by HEADS, have gained interest by Deutsche Welle, who will be represented in the meeting, to discuss with the consortium on further exploitation possibilities.

For more information on our work, you may visit our [website](#) or connect with us on [twitter](#). We'll keep you updated on the project's progress.