



# PRESS RELEASE

---

## First Release of POINT Code

31<sup>st</sup> January 2016

Partners from the EU H2020 funded POINT project have announced the first release of code from the project providing a complete IP-over-ICN implementation. Building on the core code base “BlackAdder” which was developed in the FP7 PURSUIT project from 2010-2013, the release:

- offers the first version of the Network Attachment Point (NAP) that performs IP-to-ICN translation, thereby allowing the establishment of end-to-end IP sessions over ICN, through mapping IP addresses to information identifiers and vice versa.
- features ICN-over-SDN forwarding mechanism thereby supporting IP-over-ICN-over-SDN communications.
- introduces an extended deployment tool, following a client-server model, aimed at providing added flexibility in constructing ICN topologies by allowing nodes to attach/detach from the network dynamically.
- supports NS3-23, and offers an initial implementation of group membership management through dynamic update of FIDs when publishers join/leave a multicast group.
- provides extended support of resiliency for IP-over-ICN through a proactive mechanism supported by the centralised resilience management function.

The code release can be found in the GitHub code repository here: <https://github.com/point-h2020/point-1.0.0> and comes with comprehensive documentation which describes how to install and configure the platform, as well as supporting Doxygen for code documentation.

Dr. Martin Reed, from University of Essex School of Computer Science and Electronic Engineering who lead the release said “This is an exciting opportunity to share the work from the first year of the project. The release demonstrates a complete platform providing a new flexible approach to support next-generation networks pointing the way to meeting 5G capabilities.”

---ENDS---

POINT is a research project funded by the European Union’s Horizon 2020 research and innovation programme under grant agreement No 643990. The goal of POINT (iP Over ICN– the betTer IP) is to develop technology, innovations, and business value chains for commercially viable IP-over-ICN deployment, based on the hypothesis that many current IP-based applications can run ‘better’ on an ICN-based network than on current IP networks.

For more information, visit our website [www.point-h2020.eu](http://www.point-h2020.eu) or contact Stuart Porter [stuart.porter@ctvc.co.uk](mailto:stuart.porter@ctvc.co.uk).



Follow us on @POINTH2020.