



## Potential Relevance of VICINITY to ETSI STF565

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6<sup>th</sup> March 2019

Grant agreement: 688467

Open virtual neighbourhood network to connect intelligent buildings and smart objects



Co-funded by the  
Horizon 2020 programme  
of the European Union



## Introducing the H2020 VICINITY project

- Four-year H2020 project, 15 partners, ends December 2019
- **Background:**

Increasingly there may be several IoT systems that operate independently within a physical neighbourhood –

  - e.g. a home or body-area-network
  - each IoT system operating in its own silo
- **VICINITY Scope:**

to identify an architecture and ontology to enable sharing of information from multiple IoT sensors within a neighbourhood, and to prove the concept in Pilot Trials
- **Why?:**
  - to enable infrastructures to be shared efficiently
    - e.g. rather than install multiple identical sensors
    - lower cost and smaller carbon footprint
  - to enable innovative value-added services to tap into data from a range of sensors that may have been installed for other purposes.
  - to enable the data subjects to manage the rights of each value-added service to access their personal data (GDPR).

## Relevance of VICINITY to STF565

### Condition for ignoring the work of VICINITY

If all vulnerable road users will be required to carry a C-ITS compatible device that conforms fully with C-ITS standards within a closed C-ITS eco-system:

- Then VICINITY is unlikely to be of value to STF565.

### Condition for relevance:

However, if the C-ITS system is to be open to communications to and from smart connected devices that the vulnerable users will be carrying for other purposes:

- ...then VICINITY architecture, protocols and ontology may help to define a method for sharing relevant information with such smartphones and intelligent devices carried (or worn) by individuals.
- Such people may at times be in locations where they are vulnerable road users, and a vulnerable user App might run in the background at such times.



## Establishing Contact with VICINITY

- Information on VICINITY and access to published documentation can be found at:
  - <https://vicinity2020.eu/>
- Technical documentation can be found on GitHub:
  - <https://github.com/vicinityh2020/vicinity-neighbourhood-manager/wiki>
- Dr Keith Dickerson coordinates the work on Standards within VICINITY:
  - Director, Climate Associates Ltd
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