

Joint MERIDIAN & MegaBITS "C-ITS for Smart Cycling" Task Force

The C-ITS for Smart Cycling Task Force is part of the MERIDIAN cluster "Knowledge Building". It consists of a number of MERIDIAN partners, in particular from Germany, Belgium/Flanders and the Netherlands. This task force co-operates with the Interreg North Sea project MegaBITS. The Task Force seeks co-operation with other EU initiatives in this field, such as NAPCORE, C-Roads and other ITS corridor projects and Interreg projects.

The overall objective of the Smart Cycling Task Force is to contribute to the greening of the European transport system by expanding the use of smart cycling to promote a modal shift to sustainable transport systems, e.g. from car to bike (and in combination with public transport) for passenger transport and cargo bikes for freight transport, both in urban and metropolitan areas. This will be achieved by linking the scattered smart cycling initiatives with the current European standardisation efforts for cycling infrastructure and data in the various European countries. Furthermore, the aim is to elaborate how ITS can support a modal shift from car to bike and thus contribute to achieving the EU target of reducing CO2 emissions.

For the bicycle to become a real alternative to the car, it must become safer, faster, more reliable and easier to use. Both as a stand-alone mode of transport and in combination with other modes of transport (bus, tram, train, underground). The task force clarifies how ITS can make cycling more attractive by providing better information, better services, higher speeds, more safety, etc. both before and during cycling.

State of the Art in Smart Cycling

To get a good understanding of the current market for smart cycling, we analyse the state of the art of ITS systems and services for cycling. We are not starting from scratch, but building on the work of the BITS and MegaBITS projects. They have created two interesting sources of best practice in the field of smart cycling:

- [State of the art review 2020](#) (see page 6/7 for a list of all examples and page 9-201 for the full descriptions)
- www.bitsdirectory.com (click 'browse' on the homepage to see all systems/services)

We are contacting you because we believe you have a smart bicycle system/service that is worthy of being mentioned in the State of the Art study. In addition, your system/service can be included (free of charge) in the BITS directory, which is a freely accessible platform that can be consulted by anyone interested in implementing smart cycling solutions. This is a good platform to promote your smart cycling solution(s).

We would like to ask you to fill in the attached form and describe your smart cycling system or service. If you have more than one system/service, please use another form. If some of the information is not available or not applicable, please indicate this.

We look forward to receiving your contribution by end of May, which please send to ronald.jorna@moveco.nl and inken.griepenkerl-galoga@munv.nrw.de. Thank you very much.

If you have any questions, please contact Ronald Jorna.

Yours sincerely,

Dipl.-Ing. Stephanie Kleine, Ministry for Environment, Nature and Transport of Nordrhein-Westfalen