

## **Barteld Braaksma**

### **Short Biography:**

Barteld Braaksma is innovation manager at CBS, the National Statistical Institute of the Netherlands. In this role he has initiated and supported a wide range of innovation tracks, including concrete big data and AI pilots. In many cases, these innovation tracks have been realised in close collaboration with partners from government, academia and the private sector. Barteld is active in several international activities; for example as chair of the UN/ECE Blue Skies Thinking Network, as a core member of the European Statistical System's innovation network. He is involved in the EU-supported TAILOR network on trustworthy AI. Barteld studied mathematics in Groningen and received a PhD from Utrecht University.

### **Abstract:**

Official statistics is used for many different goals, ranging from supporting policy decisions to answering research questions. Therefore it is expected to meet high quality standards, which led to many international initiatives and collaborations to develop common positions and best practices. The appearance of big data and AI methods poses new challenges for statisticians. Moreover, national statistical institutes are recognized as frontrunners and experts in applying new data science opportunities by other government bodies, which leads to consultancy questions e.g. on applying algorithms in a fair way. This contribution shows how the international statistical community, and in particular Statistics Netherlands, respond to new demands. Concrete examples, some theoretical background and a general framework (under construction) will be discussed.