Autonomous Highway Futures: Value Mapping
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A value is anything of importance, something which has bearing on work
Values can signify standards, goals, beliefs, ways to measure practice
What values inform the conceptualisation and implantation of UK Autonomous Highway Network?
What trade-offs between values and practices are required?
How do our values of Trustworthiness, Ethics, and Security, change in their encounter with others?

As part of our research, we are partnering with a major public body in the UK, to collaboratively explore ways of imagining an increasingly autonomous UK road network. One of the main challenges in cross-sector collaboration is finding a common space and understanding to tackle issues. Value-mapping can be a useful exercise to start things up, as it allows open conversation, it allows collaborators to set the agenda, and it can facilitate multi-scalar approaches, moving from the broadest scale issues to specific details of a single system. Value-mapping helps to deal with the increasing uncertainties associated with more autonomous systems. While not everything can be predicted, having a good understanding of one’s individual and organization values creates a solid foundation for making secure AS futures.

Value Mapping: Elements

The Spaces
In what physical and/or virtual spaces do the autonomous systems you work with operate, and how might these spaces grow or change?

Things that Move
What are the actual systems involved in these spaces, how do people figure as part of those systems, and how do they move?

Information
What data, knowledge, expertise or other information circulates between these spaces and systems?

Uncertainties
What happens when something occurs you can’t predict? What sort of protocols do you use to maintained preparedness for unexpected events?

Value-mapping takes these elements as interconnected, visualizing ties and entanglements between different levels of imagining autonomous highway futures. By visualizing these connections, collaborators can literally see how the things important to them relate to one another, and creates a starting point for plans of action.

Value-mapping is one part of a larger framework for ELSI of AS, which includes the elements visualized above, and others. Both ELSI and Value-mapping insist that collaboration is vital for making more secure, more ethical autonomous highways. The methods we are using in the Security node help to achieve this.