

## **Supporting Information**

for

## Instance maps as an organising concept for complex experimental workflows as demonstrated for (nano)material safety research

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Overview of lessons learned by applying the InstanceMaps tool

**Table S1:** Overview of the lessons learned by applying the InstanceMaps tool to the five implementation cases (examples 1–5 in the main manuscript). Features applied within the five examples are indicated by "X", while some features, indicated by "(X)" represent functionalities that had to be implemented manually. Features commonly agreed upon or requested for future updates of the InstanceMaps tool are listed in the bottom lines extending the use of the InstanceMaps tool even further, including embedding into data management systems.

