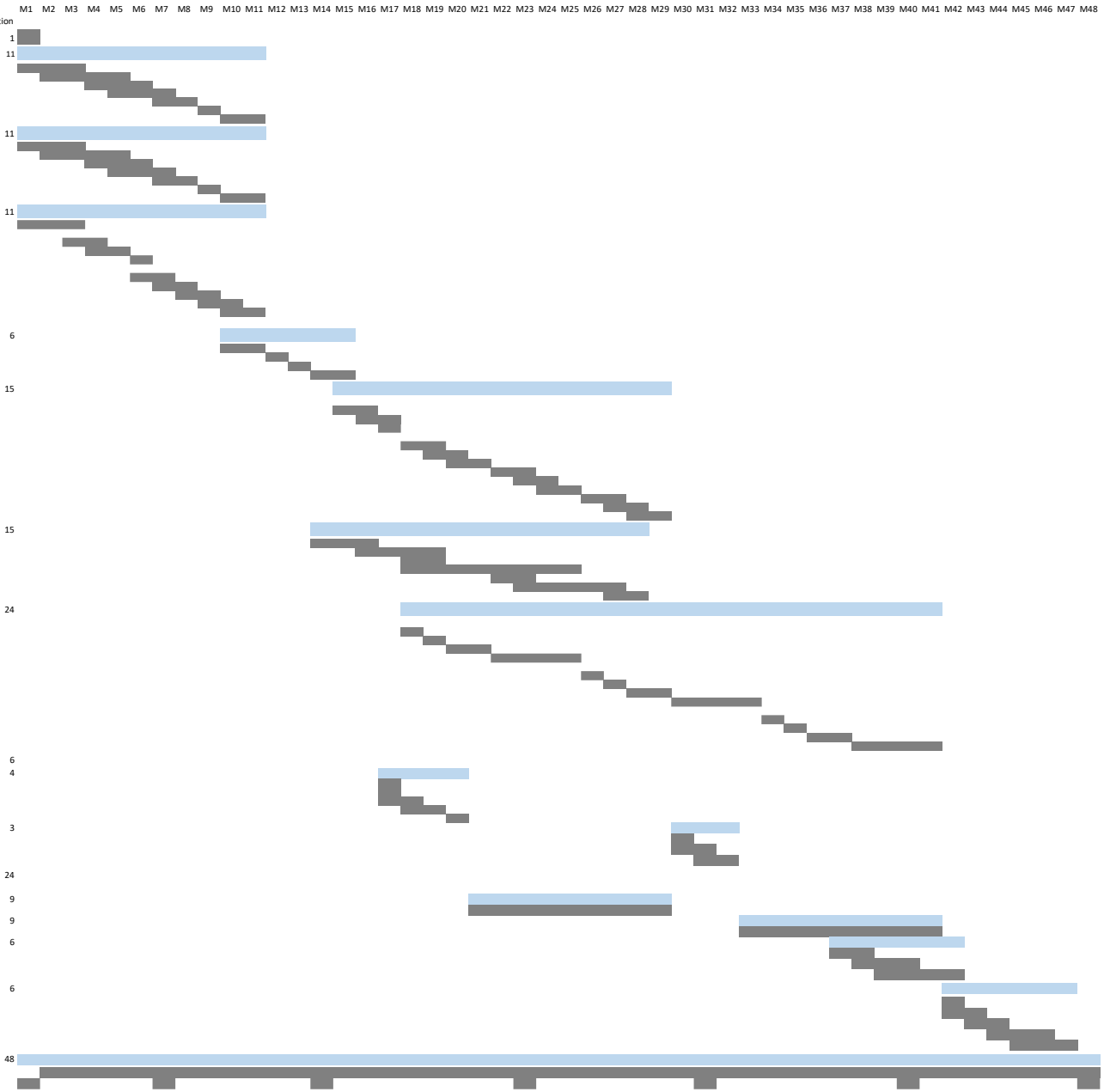Task	Subtask	Lead	Duration
WP0 - Kickoff			1
WP1 - Characterising End-of-Life (EoL) scenarios and facilities		UoS	11
1.1	Systematic Literature Review		
1.2	Interviews		
1.3	Initial framing		
1.4	Case studies		
1.5	Forensic workshops		
1.6	Initial Characterisation and EoL measures		
1.7	Appraisal workshop		
WP2 - Characterising ISL and impact on EoL scenarios		UoB	11
2.1	Systematic Literature Review		
2.2	Interviews		
2.3	Initial framing		
2.4	Case studies		
2.5	Forensic workshops		
2.6	Initial Characterisation		
2.7	Appraisal workshop		
WP3 - Capabilities & characterisation of extant tools/methods		UoC	11
3.1	Systematic Literature Review		
3.2	Review of capabilities - stage 1		
3.2.1	Capture applications/experiences of partners		
3.2.2	Critical review by academics/industrialists/partners		
3.2.3	Appraisal workshops		
3.3	Characterisation - stage 2		
3.3.1	Data mapping (Inputs)		
3.2.2	Data mapping (Outputs)		
3.2.4	Tool & toolchain mapping (relations/flows)		
3.2.3	Design process mapping		
3.2.5	Fidelity and confidence analysis		
3.2.6	Trade-off/conflict analysis		
WP4 - Integartion, expansion and analysis of knowledge maps		UoB	6
4.1	Combine knowledge maps		
4.2	Integrate knwoledge maps		
4.3	Gaps analysis		
4.4	Consolidation and generation of D4EoL measures		
WP5 - Tool/method development		UoB	15
5.1	Co-develop strategy for meeting unmet requirements - new/augment		
5.1.1	Possible strategies		
5.1.2	Appraisal workshop		
5.1.3	Refine and select strategy		
5.2	Co-develop adapted, extended and new methods		
5.2.1	Sprint 1 - generate concepts for augmented methods (MIRO)		
5.2.2	Down-select concepts		
5.2.3	Refine & fix concepts		
5.2.4	Sprint 2 - generate concepts for augmented methods (MIRO)		
5.2.5	Down-select concepts		
5.2.6	Refine & fix concepts		
5.2.7	Sprint 3 - Focus TBD - augmented or new (MIRO)		
5.2.8	Down-select concepts		
5.2.9	Refine & fix concepts		
WP6 - Methdology development		UoC	15
6.1	Detailed mapping of tools to design and development process		
6.2	Establish overall and local workflows / tool chains		
6.3	Outline methodology		
6.4	Model and analyse workflows / tool chians		
6.5	Refine methodology		
6.6	Establish optimal work flows/tool chains (inc. minimum viable)		
6.7	Initial D4EoL methodology		
WP7 - Prototyping of tools/methods		UoB	24
7.1	Sprint 1 - method extension/adaptation		
7.1.1	Planning and prioritisation		
7.1.2	Concept refinement		
7.1.3	Embodiment & detailed design		
7.1.4	PoC protototype production		
7.2	Sprint 2 - method extension/adaptation		
7.2.1	Planning and prioritisation		
7.2.2	Concept refinement		
7.2.3	Embodiment & detailed design		
7.2.4	PoC protototype production		
7.3	Sprint 3 - augmented or new methods		
7.3.1	Planning and prioritisation		
7.3.2	Concept refinement		
7.3.3	Embodiment & detailed design		
7.3.4	PoC protototype production (wizard-of-Oz)		
WP8 - Testbed			6
8a Testbed design and setup		UoS	4
8.1.1	Review of ethnographic research		
8.1.2	Review of SOA equipment/tech approaches		
8.1.3	Initial specification & procurement		
8.1.4	Standard operating procedures (SoPs)		
8.1.5	Setup and commission		
8b Testbed refinement and setup		UoS	3
8.2.1	Review lessosn learned		
8.2.2	Update equipment and SoPs		
8.2.3	Refine setup and commission		
WP9 - Product redesign and data capture			24
9.1	Agree redesign challenges - (C1 and C2)		
9a Redesign using current tools		UoS	9
9.2	Follows design process as outlined in LoS		
9b Redesign using D4EoL methdology and prototype tools		UoS	9
9.3	Follows design process as outlined in LoS		
9c Design audit of current products		UoB	6
9.4	As-was designed forensic analysis		
9.5	Data extraction		
9.6	Data curation		
WP10 - Analysis, appraisal and refinement of D4EoL		UoB	6
10.1	Mapping of data and knowledge structures		
10.2	Extraction and mapping of workflows		
10.3	Review of design outcomes		
10.4	Application of EoL measures		
10.5	Update/refinement of D4EoL methodology		
WP11 - Dissemintaion, communication, impact and management		All	48
11.1	Monthly meetings		
11.2	PAG meetings