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| **1** | **Ready for RE/man?** |
| | User needs digital capacities, I4.0, |
| | Determining Material Footprints, Circular Manufacturing models & the operational gap |
| **2** | **Stepping stones for RE/man** |
| **2.1** | **RE/man operations – system level** |
| | Digital twin/dynamic value stream; tagging; (re)manufacturability |
| | (Dis)assembly Shop Orders & Work Instructions |
| | Demonstrators Reman order flow |
| **2.2** | **RE/man operations – workstation level** |
| | (Dis)assembly task patterns |
| | Demonstrators Disassembly with different tools & strategies |
| | Demonstrators Inspection & Inline Diagnostics |
| | Demonstrators Cleaning |
| | Demonstrator Repair & Reassembly with different tools & strategies |
| | Demonstrator Recyling |
| | Demonstrator Parts-on-Demand |
| **2.3** | **RE/man IT Integration** |
| | Smart Industry IT standards : demonstrated on RE/man lab Architecture |
| | Reman horizontal/vertical integration & IoT demonstrator |
| | Computer Integrated Remanufacturing, inc Reversed Engineering: demonstrator |
| **3** | **RE/man Eco Costing & Valuation** |
| **4** | **Education Material** |