



ReDesign, ReFit, RePair, ReUse, ReCycle, ReThink the Cabin

Lightweight, Circular & Sustainable Shipbuilding
Conference Kiel 2026, January 27-28

Dr. Christina Apel, Leuphana University of Lüneburg, Germany

Cruise sector:

- Small compared to most other maritime sectors, BUT
- B2C market & high visibility



Source: Meyer Werft

Why did we start with the cabin?

Great potential:

- Multiplier effect: ~ 3,500 cabins per ship & > 7,000 cabins per year
- Large share of material and energy demand
- Good transferability to other areas

Great importance of the cabin:

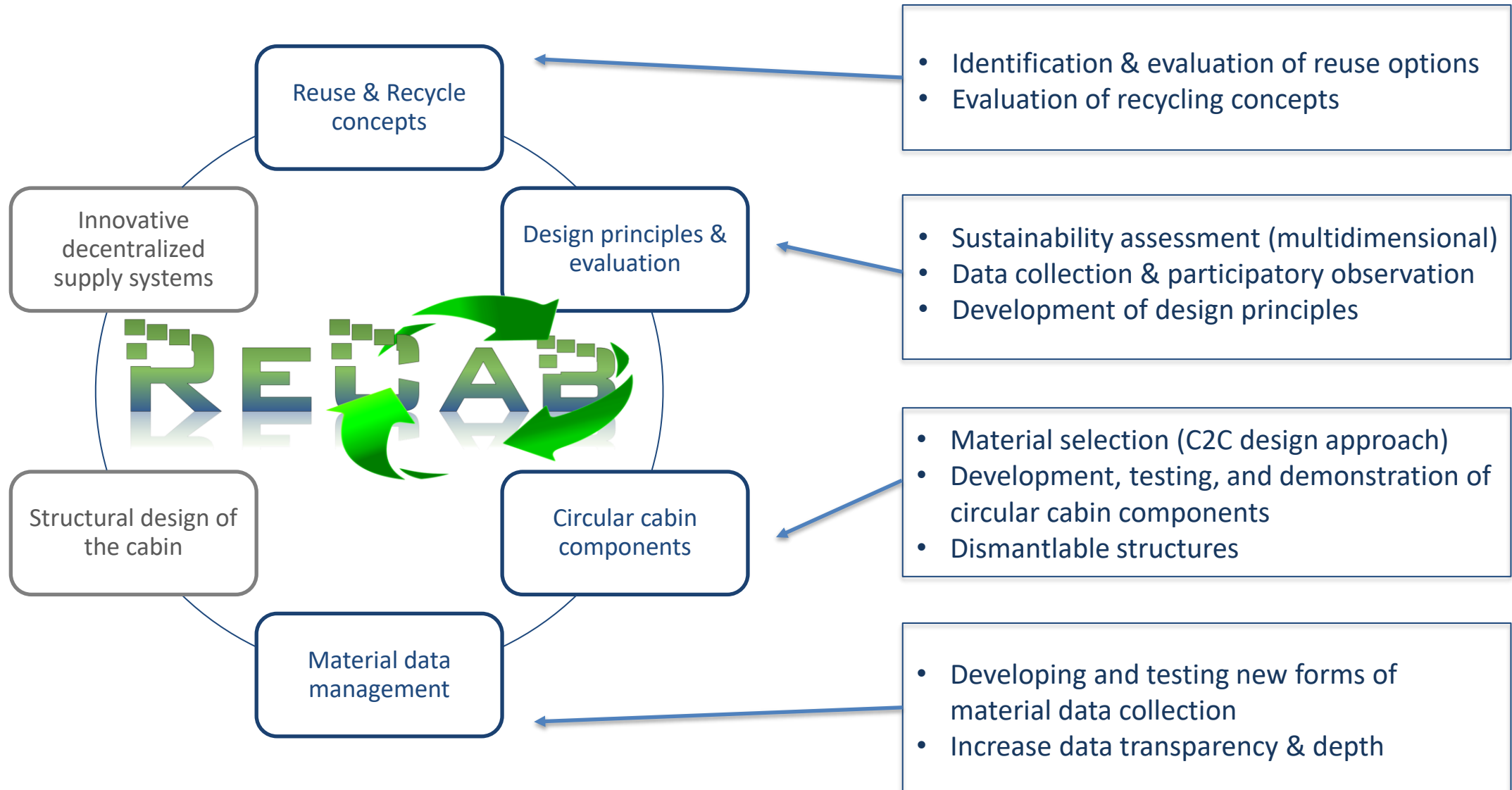
- A flagship for shipyards and shipping companies
- A place of retreat for passengers and crew
- Influences the well-being on board

Technically favourable conditions:

- Prefabricated modular units
- Closed independent system
- Good options for subsequent use



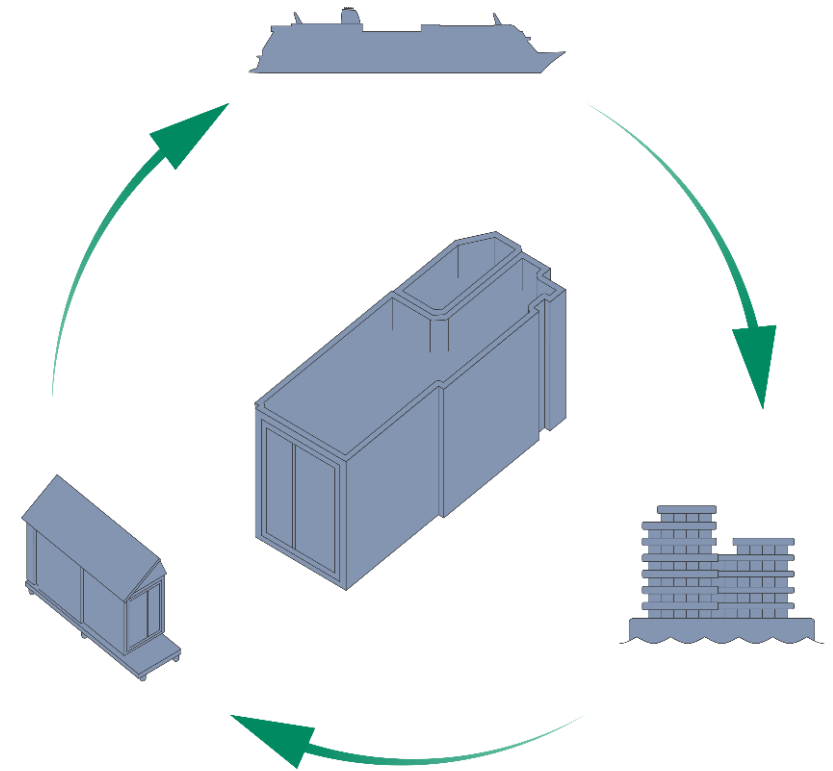
ReCab in a nutshell



Our overarching goal: Integrating and motivating circularity, circular economy, and cradle to cradle aspects in the maritime sector

Circular Economy is an opportunity!

- Stronger bond between customer and shipyard (through ReFit/ReBuilt/ReUse/RePair concepts)
- Increasing supply security
- Material- and product value is retained
- No disposal costs
- Increasing competitiveness
- **New business models!**
- **Securing material sources for the future (“Material Banks”)!**





Project coordinator: Meyer Werft

Project duration: 01.10.2024 – 30.09.2027

**We'll be happy to meet
you at our booth!**

Partners:

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