



Circular Concrete
Mid-term Conference
SeRaMCo
Secondary Raw
Materials for Concrete
Precast Products

Overall Project
Management of
SeRaMCo

Prof. Dr.-Ing. Christian Glock

Content

- 1. Overview & Project Idea**
- 2. Work Packages (WPs)**
- 3. Project Management Structure & Implementation**
- 4. Communications**
- 5. Marketing**
- 6. Status Quo**

1 Overview & Project Idea

Partnership

17 Partners from 5 EU countries (DE, FR, NE, BE, LU)

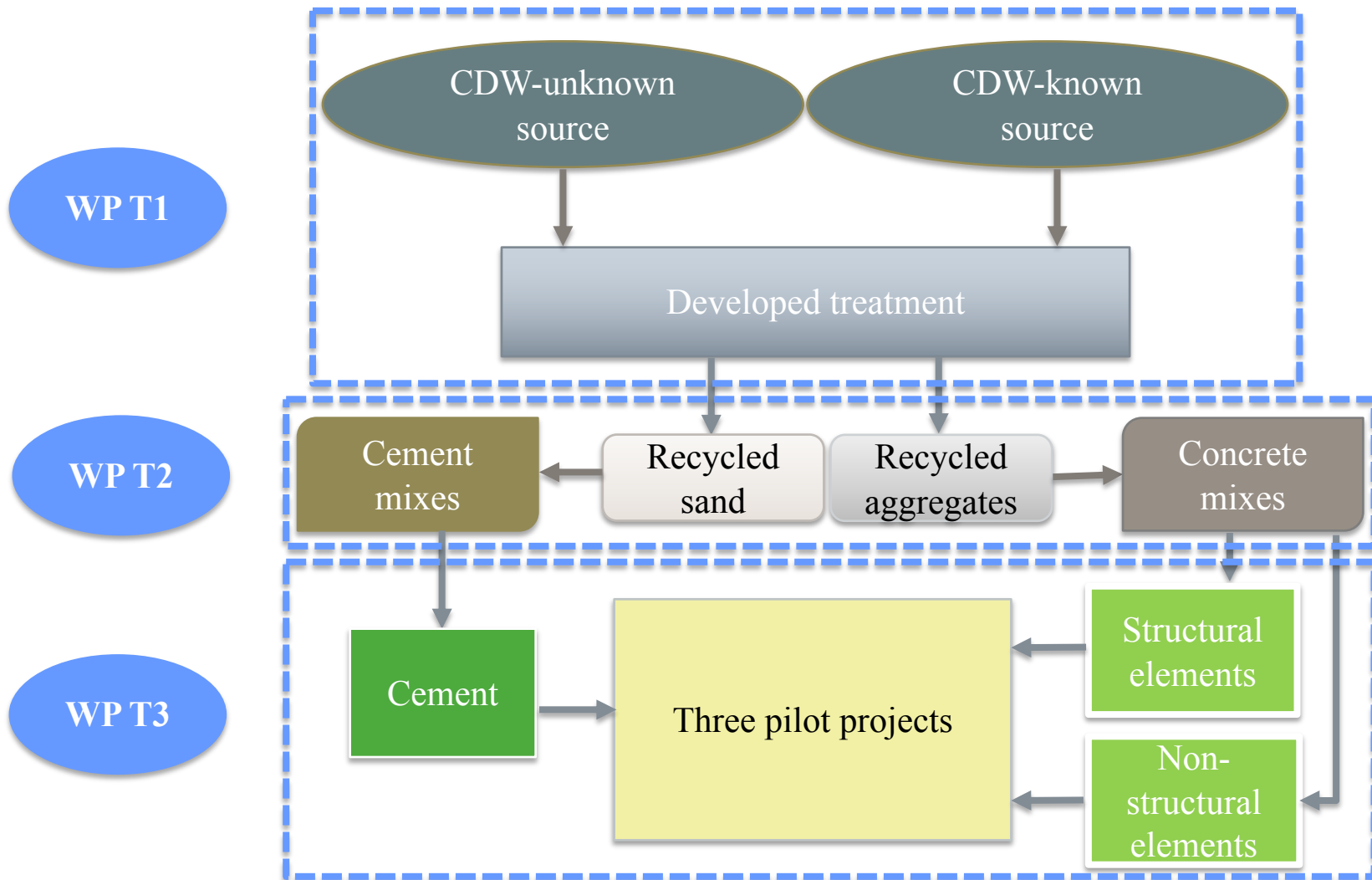
11 Partners, 3 Sub-partners, 3 Associated partners



Duration
 March 2017 - September 2020

Budget
 Total: € 7.28 million
 EU funding: € 4.37 million

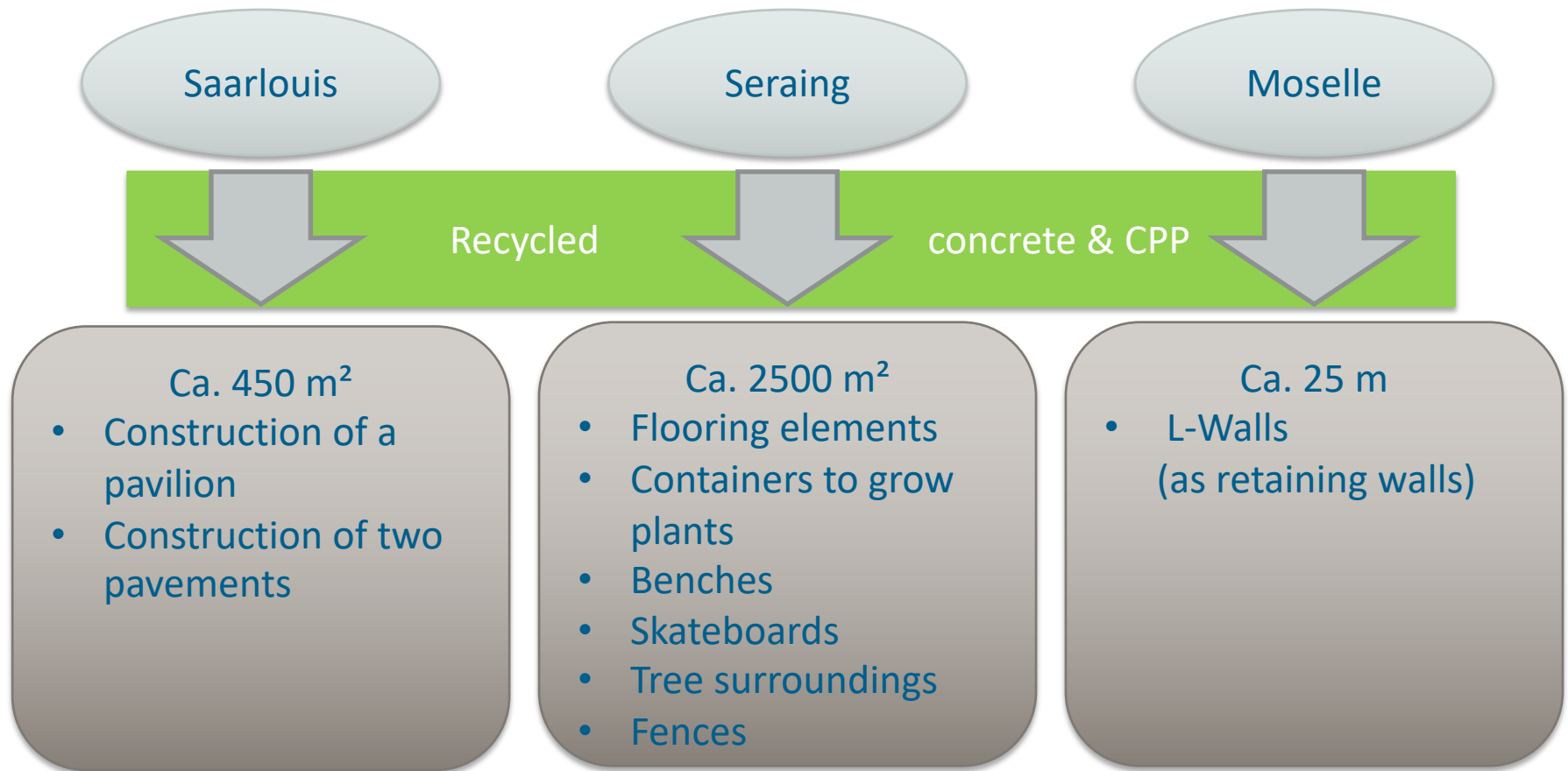
1 Overview & Project Idea



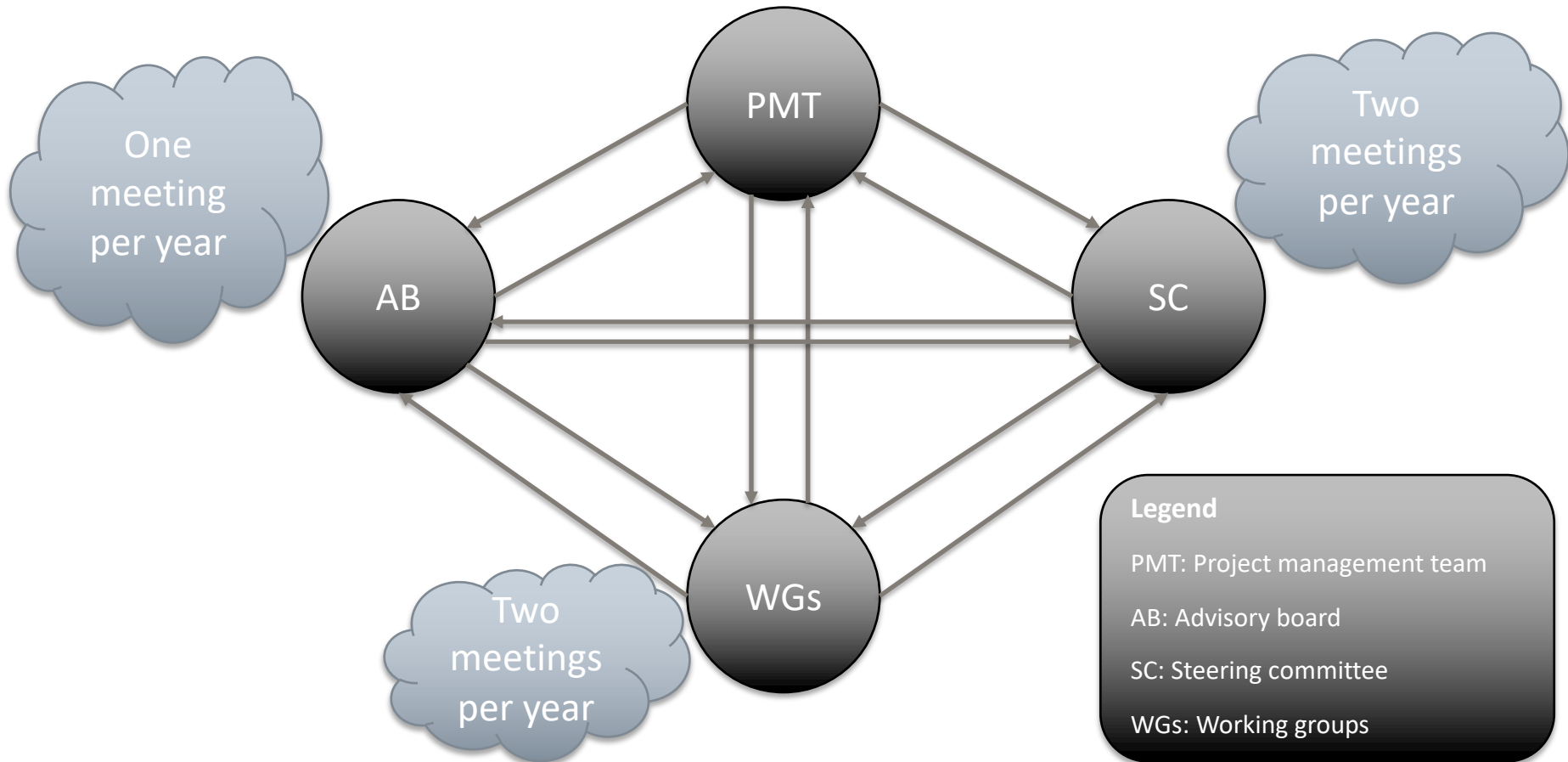
2 Work Packages (WPs)

WP nr	Title	Responsible partner
WP LT	Long Term	S&P
WP C	Communication	UNIKL
WP M	Project management	UNIKL
WP T1	Best process for materials treatment	Ulg
WP T2	Development of new cement and new concrete mixes for use of recycled materials	UL
WP T3	Generating and implementing innovative cement and concrete products based on recycled aggregates	ULux
WP I1	Test, implement and promote pre-cast products in urban public space facilities in the city of Seraing (Belgium)	Ulg
WP I2	Test, implement and promote pre-cast products for pavements and public buildings in the city of Saarlouis (Germany)	UNIKL
WP I3	Test, implement and promote pre-cast products for road construction in the Regional Council of Moselle DC57 (France)	CEREMA

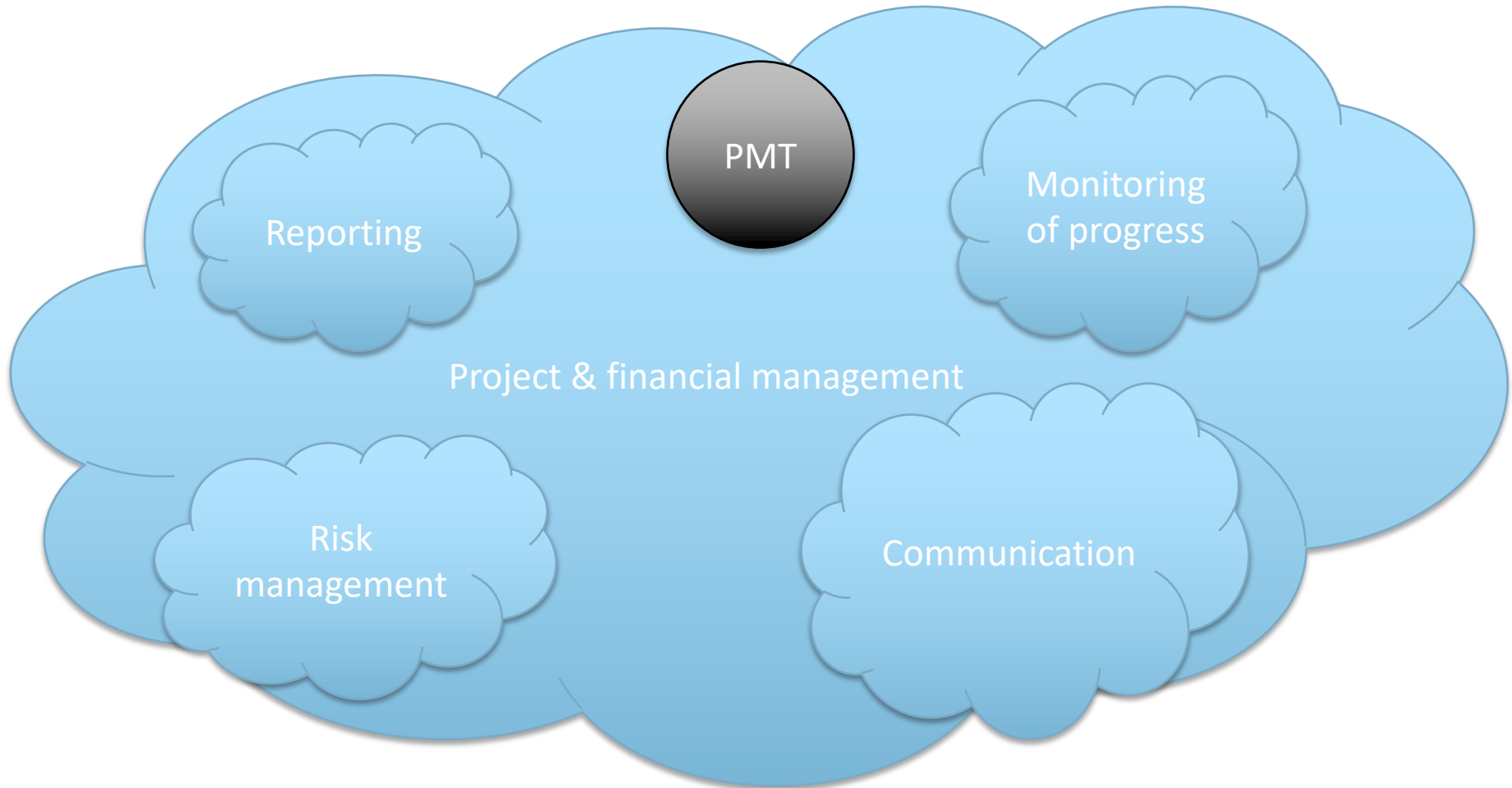
2 Work Packages (WPs) Pilot Projects



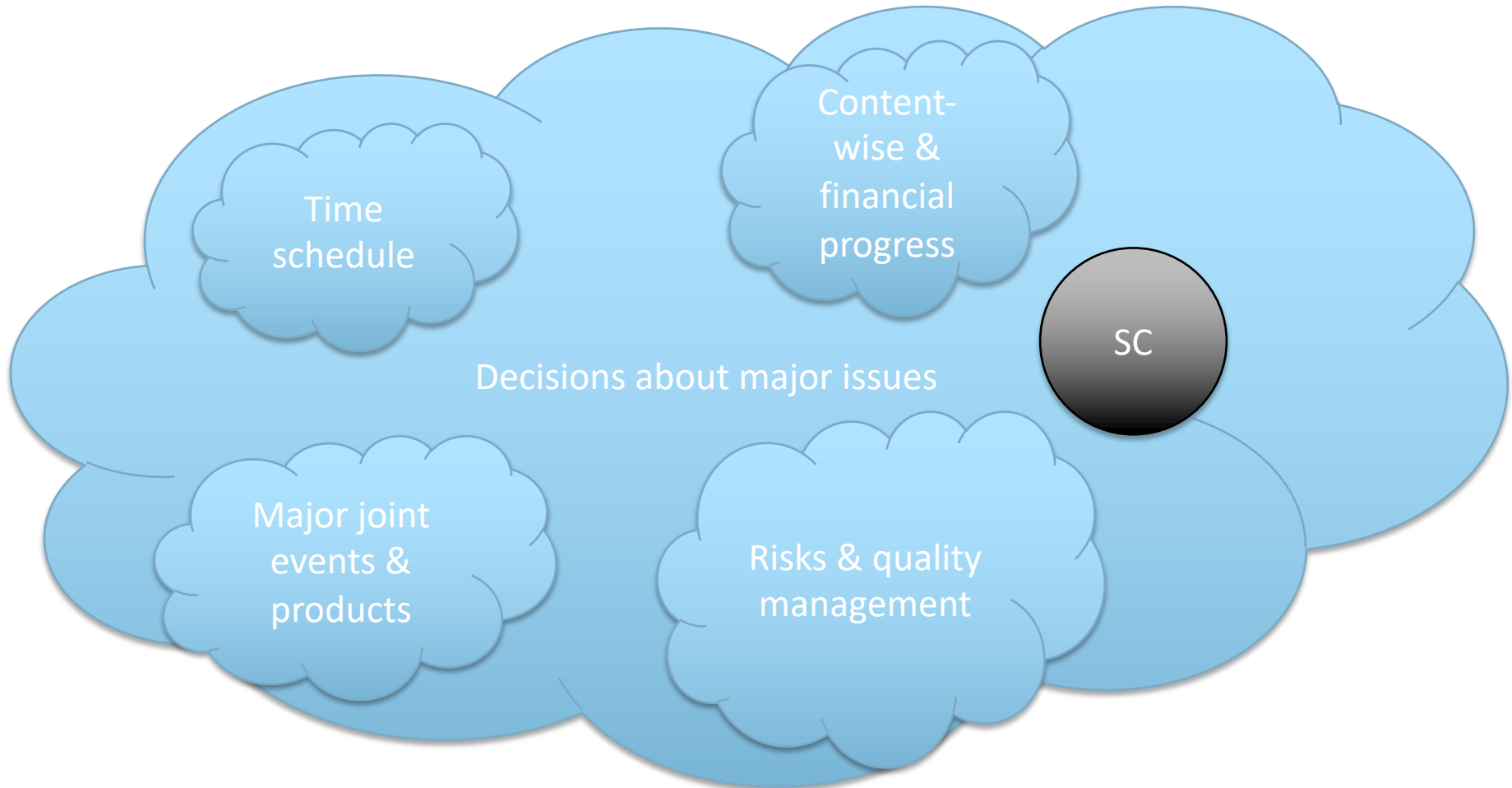
3 Project Management Structure & Implementation



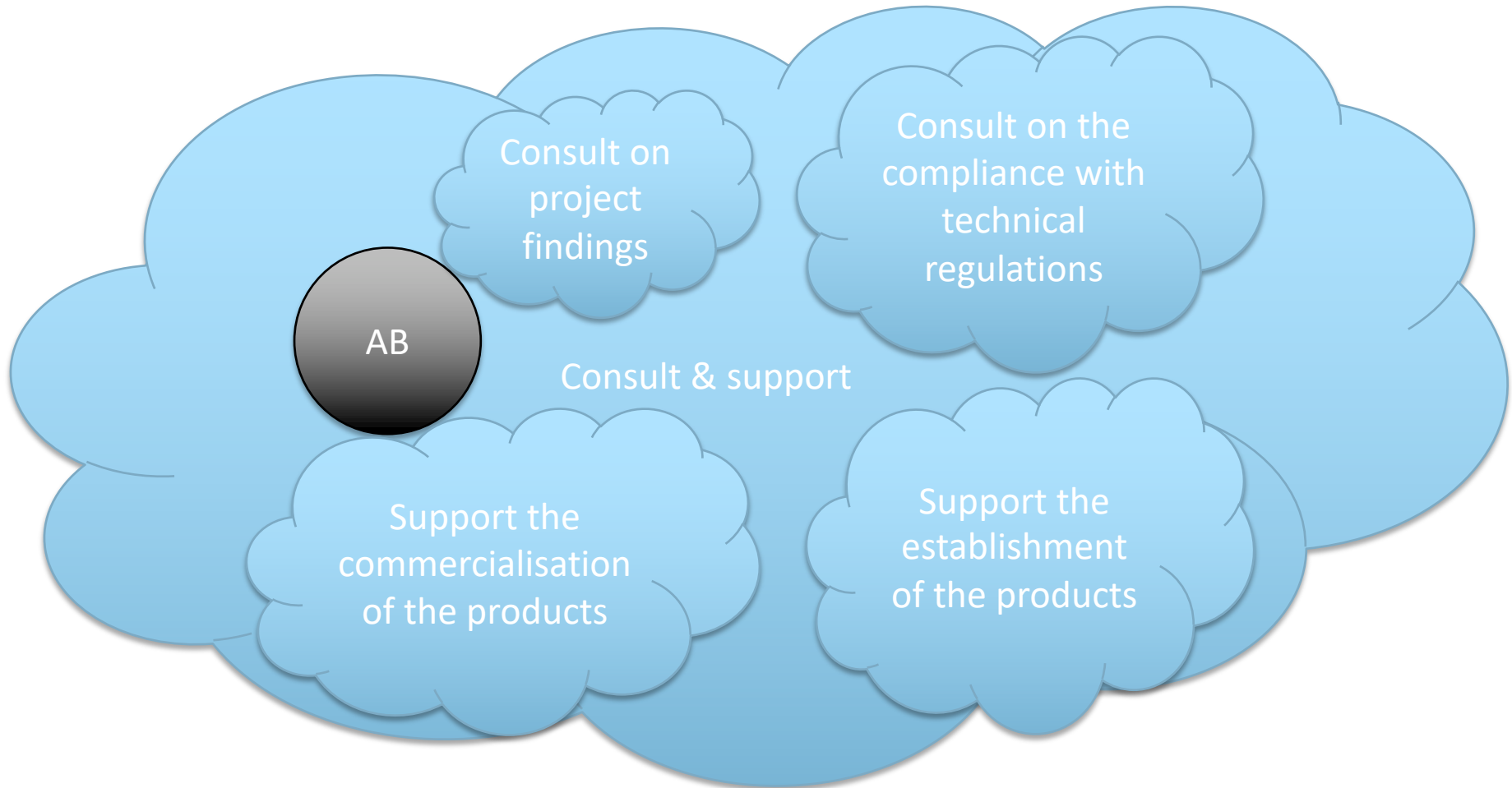
3 Project Management Structure & Implementation



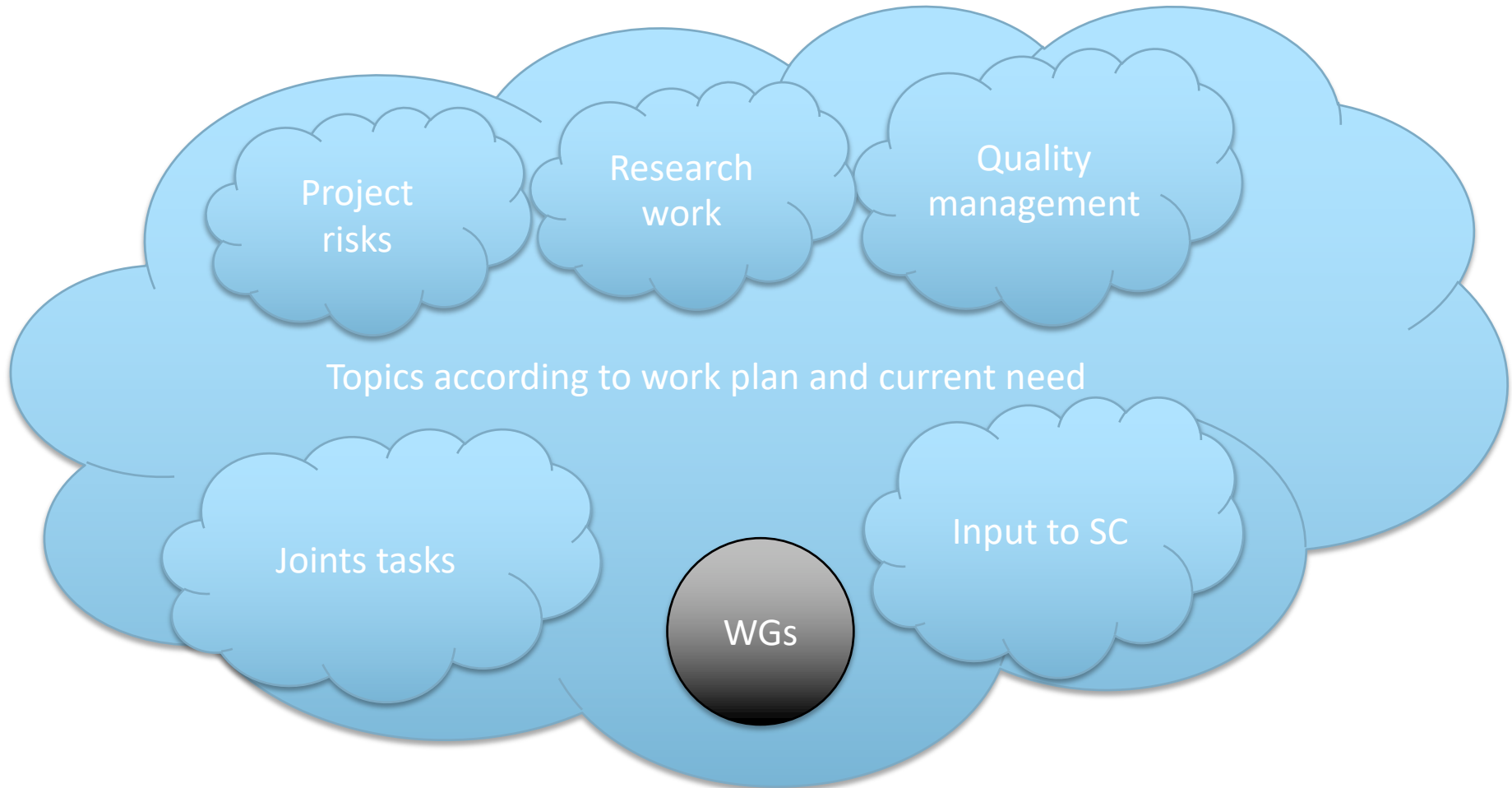
3 Project Management Structure & Implementation



3 Project Management Structure & Implementation

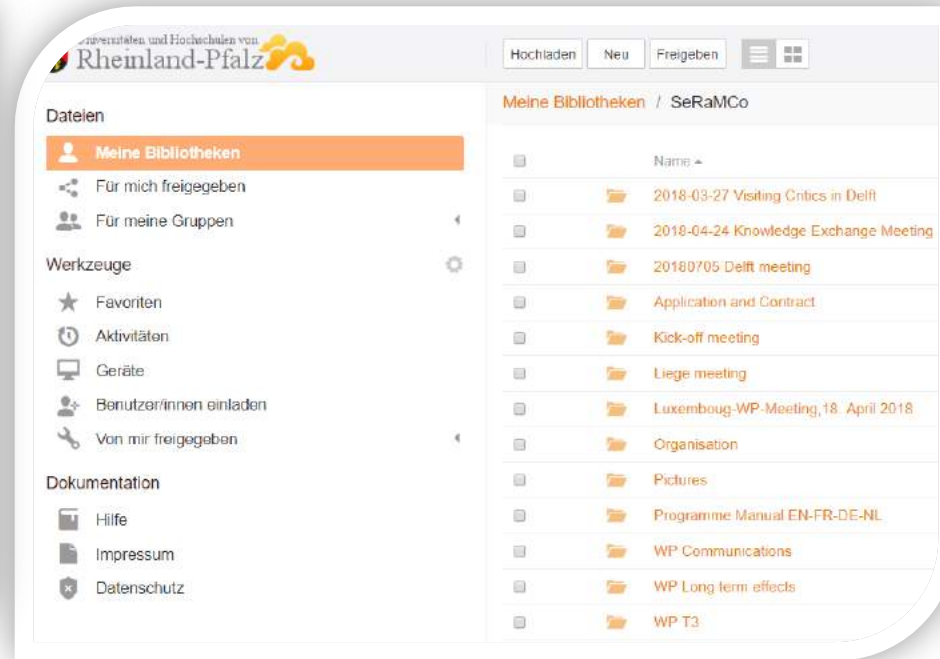


3 Project Management Structure & Implementation



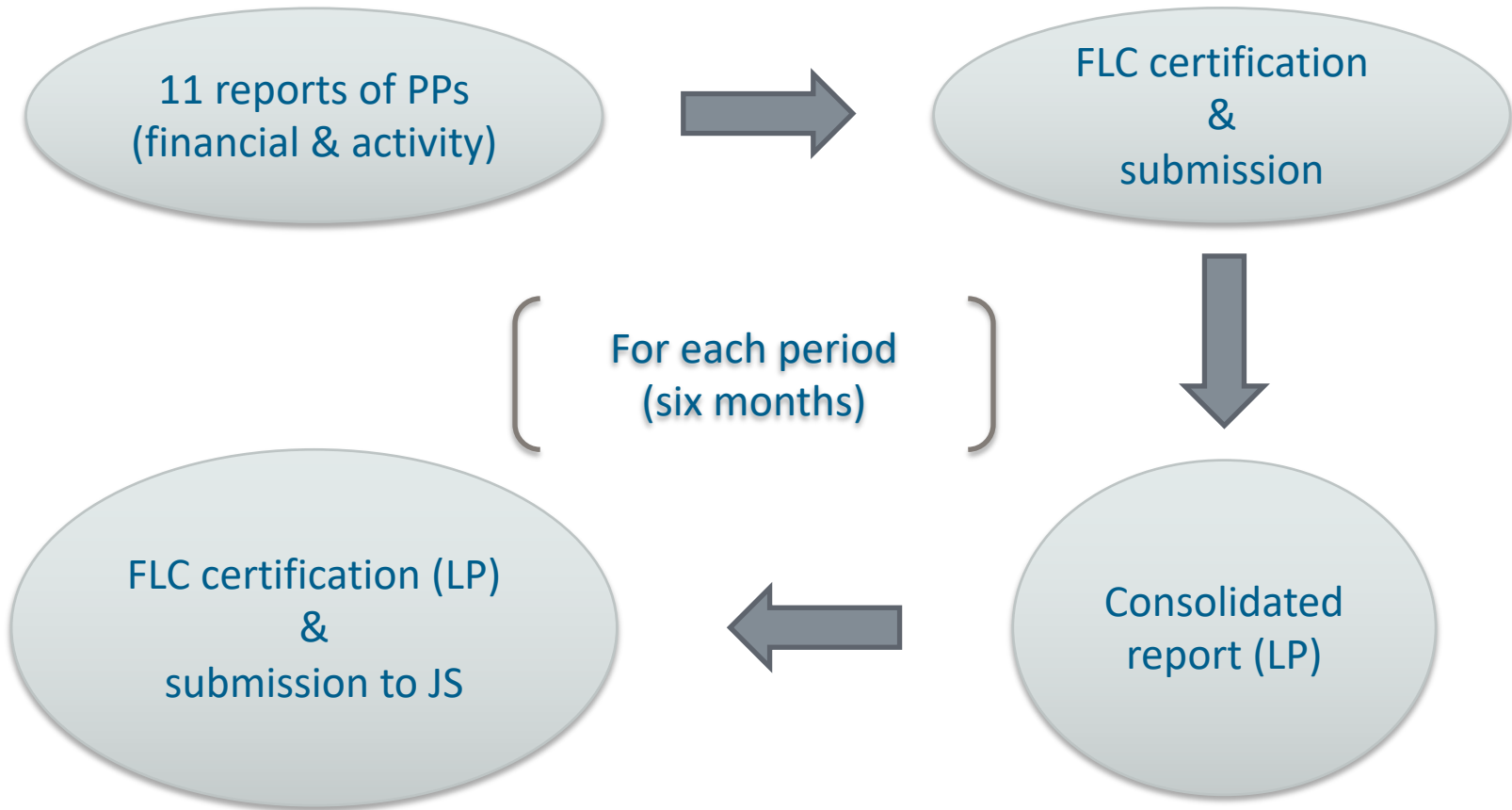
3 Project Management Structure & Implementation

3.1 Day to day management and coordination



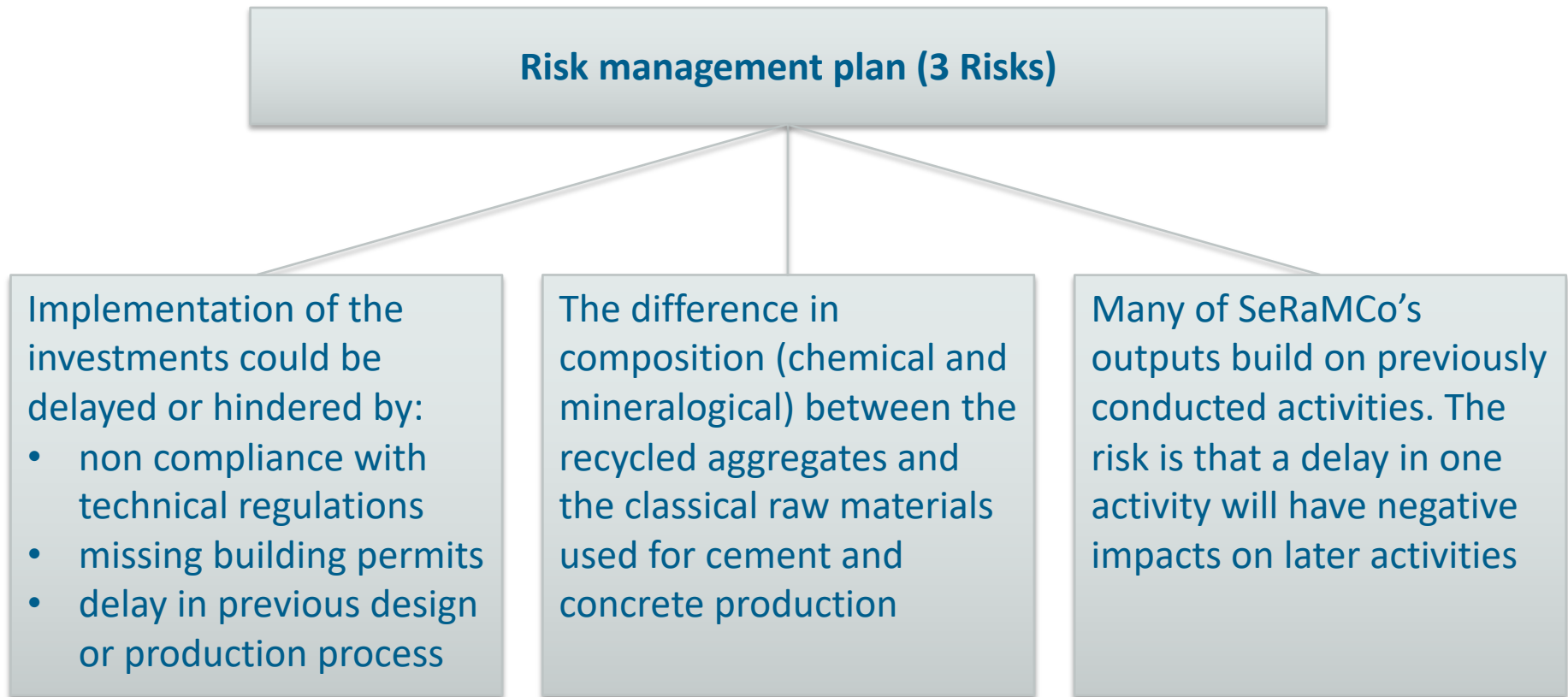
3 Project Management Structure & Implementation

3.2 Reporting & First Level Controlling (FLC)



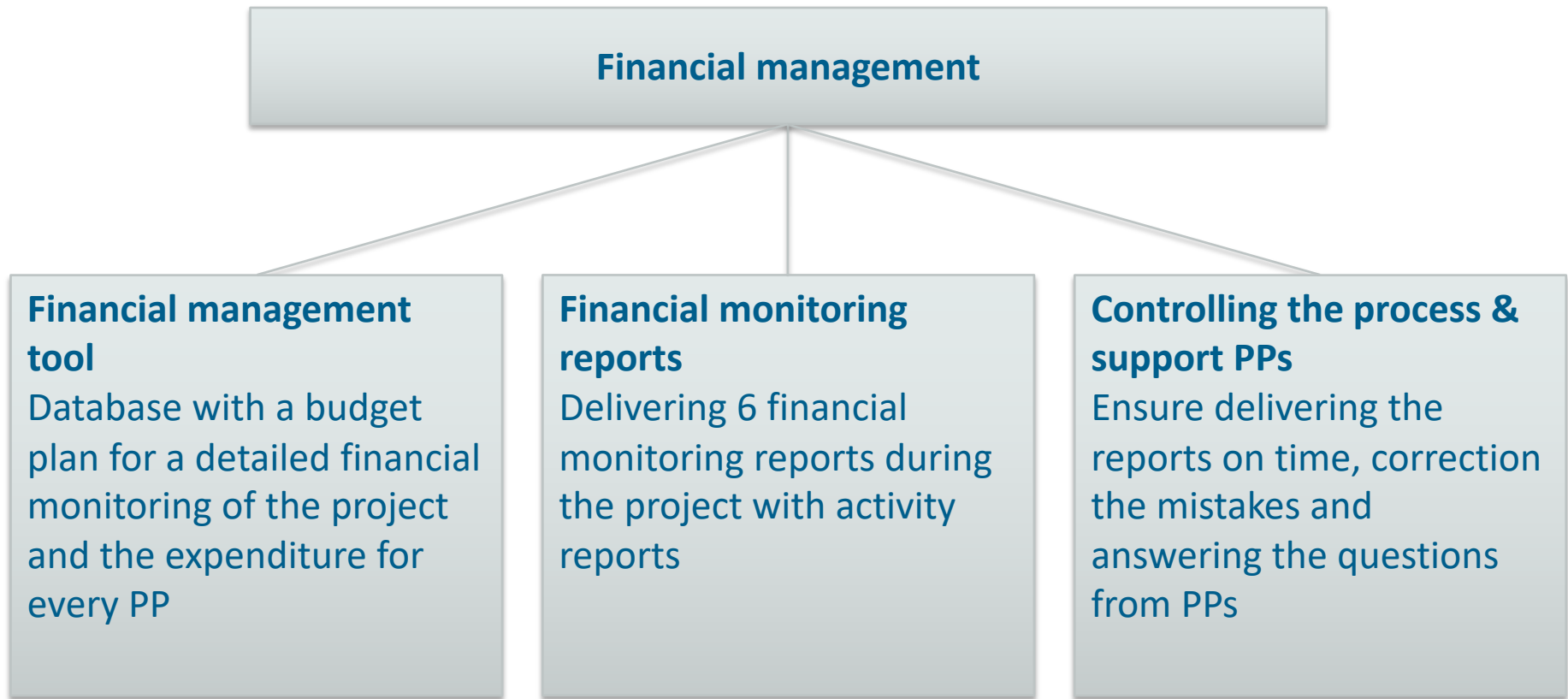
3 Project Management Structure & Implementation

3.3 Risk Management



3 Project Management Structure & Implementation

3.4 Financial Management



4 Communications

Finished:

- Detailed communication strategy
- Promotional material package (leaflet & poster)

Ongoing:

- Maintenance of project website
- News on Social media (Twitter, LinkedIn)
- Quarterly Newsletter
- Publications in magazines for the supply chain actors

Planned:

- High-level conferences
- Presentation of findings at key multipliers
- Public openings of investments
- Documentary videos

5 Marketing

Market demand for circular CPPs ?

Scattered demand currently from public sector and construction companies,

BUT

- **Pilot projects and start-ups** prove the feasibility even at large-scale (Netherlands, Belgium, Germany, UK)
- **Public sector:** interest in producing locally while saving primary resources -> towards green procurement in their requirements
- **Concrete precast producers:** look for competitive edge with circular CPPs which are comparable in price, safety and durability

Once a critical **threshold of demand** will be passed, the supply of secondary raw materials and the certification of circular CPPs will become standard procedures

-> Lower production costs

-> Mainstream market will emerge

6 Status Quo

17 deliverables are finished (technical reports, publications, ..)

Best practice on material treatment and recycling methods

Best practice in concrete and cement manufacturing on the base of recycled material

The first results of developing new cement and concrete mixes for structural and non-structural elements

The industrial production of cement from recycled sand has started at VICAT with substitution ratio of 15%

Development of new concepts of innovative precast products by TU Delft

Thank you for your attention!

Questions?