
WInD-Pool: A Joint Database for Reliability Analyses

WIND POWER MONTHLY EVENT: Fleet Monitoring & Data Analysis
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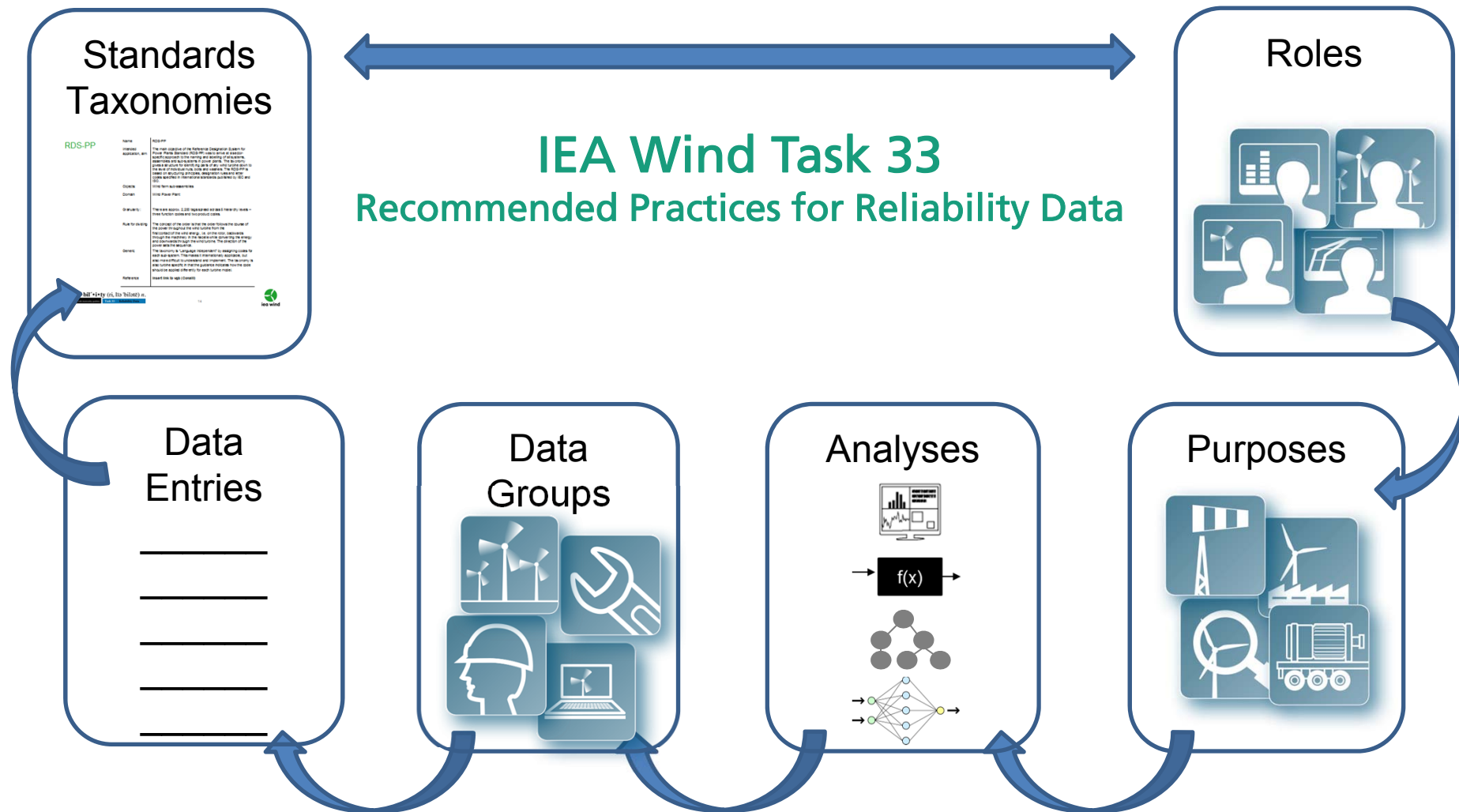
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WInD-Pool: A Joint Database for Reliability Analyses

Outline

- Management of maintenance data, standards and guidelines
- Wind-Energy-Information-Data-Pool (WInD-Pool)
- Consortium and participation





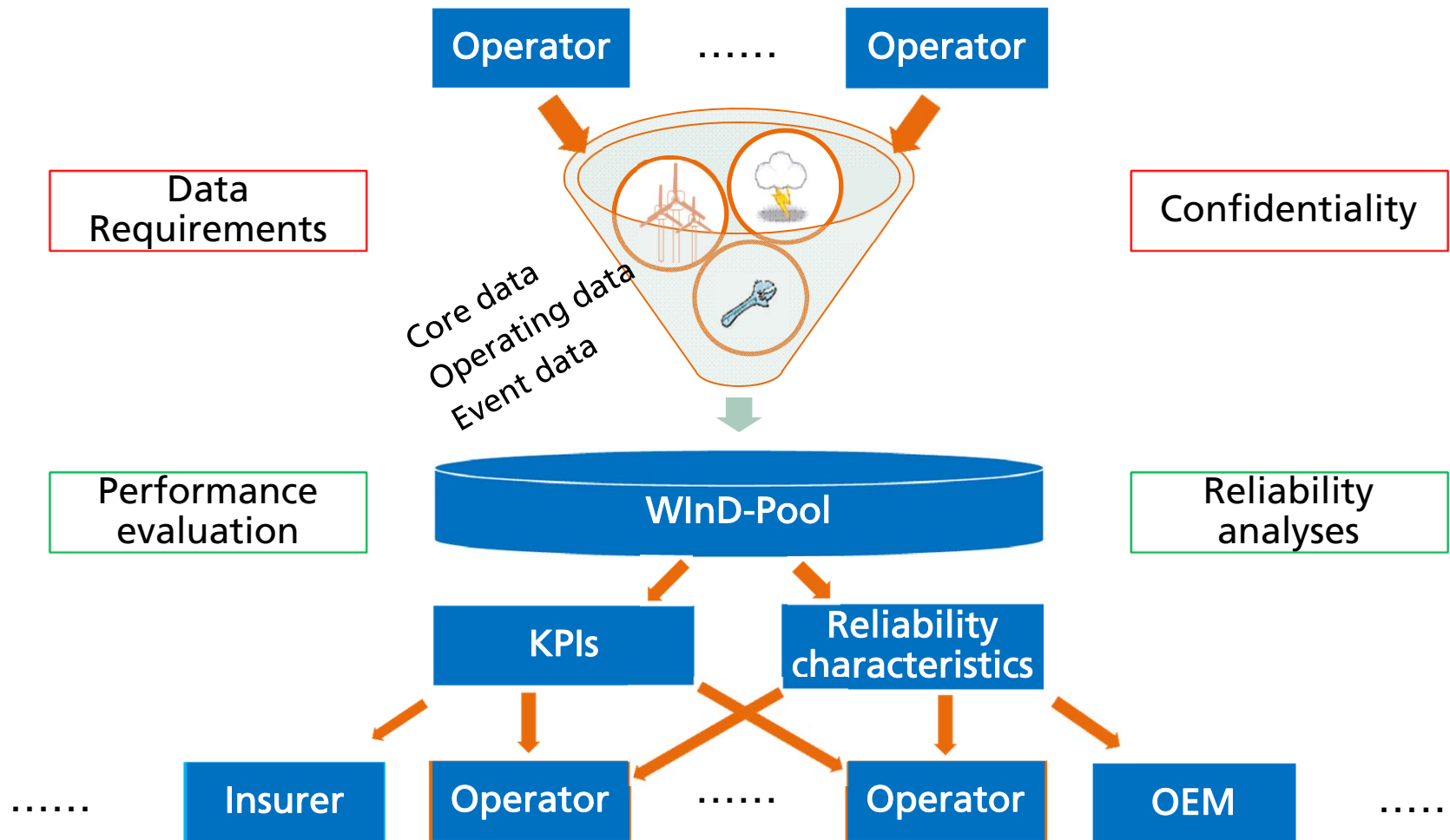
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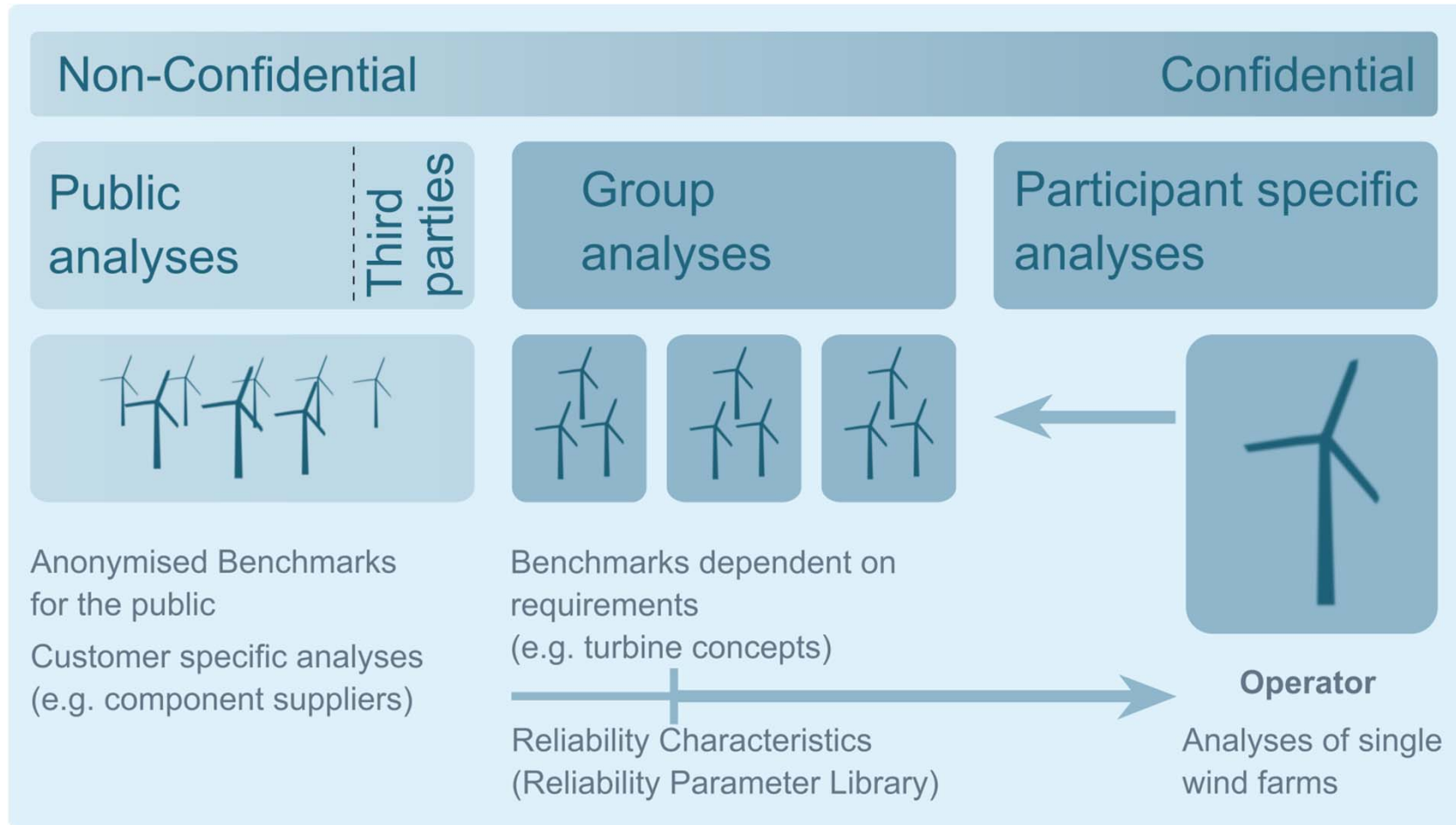
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WInD-Pool = Wind-Energy-Information-Data-Pool

- Long-term industry initiative
- Involve all stakeholders in wind turbine reliability
- Supported by German federal ministry for economy and energy
- Funding is for development of applications and business cases
- Open for onshore/offshore and national/international partners
- Preparing a library for reliability characteristics on component level
- Allowing for individual results using the broad joint basis
- Provide a benchmark platform
- Allow for highly aggregated trends for the public



Concept of confidentiality



WInD-Pool: A Joint Database for Reliability Analyses

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- Management of maintenance data, standards and guidelines
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- Consortium and participation

Industry initiative



- Current participation

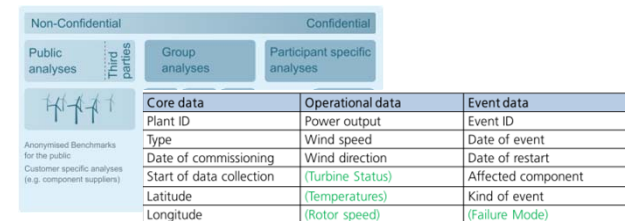


- Owners / operators; onshore / offshore; national / international wind plants
- Insurer
- Service provider
- Component supplier
- Analysts

- MoU for collaboration with The Crown Estate and

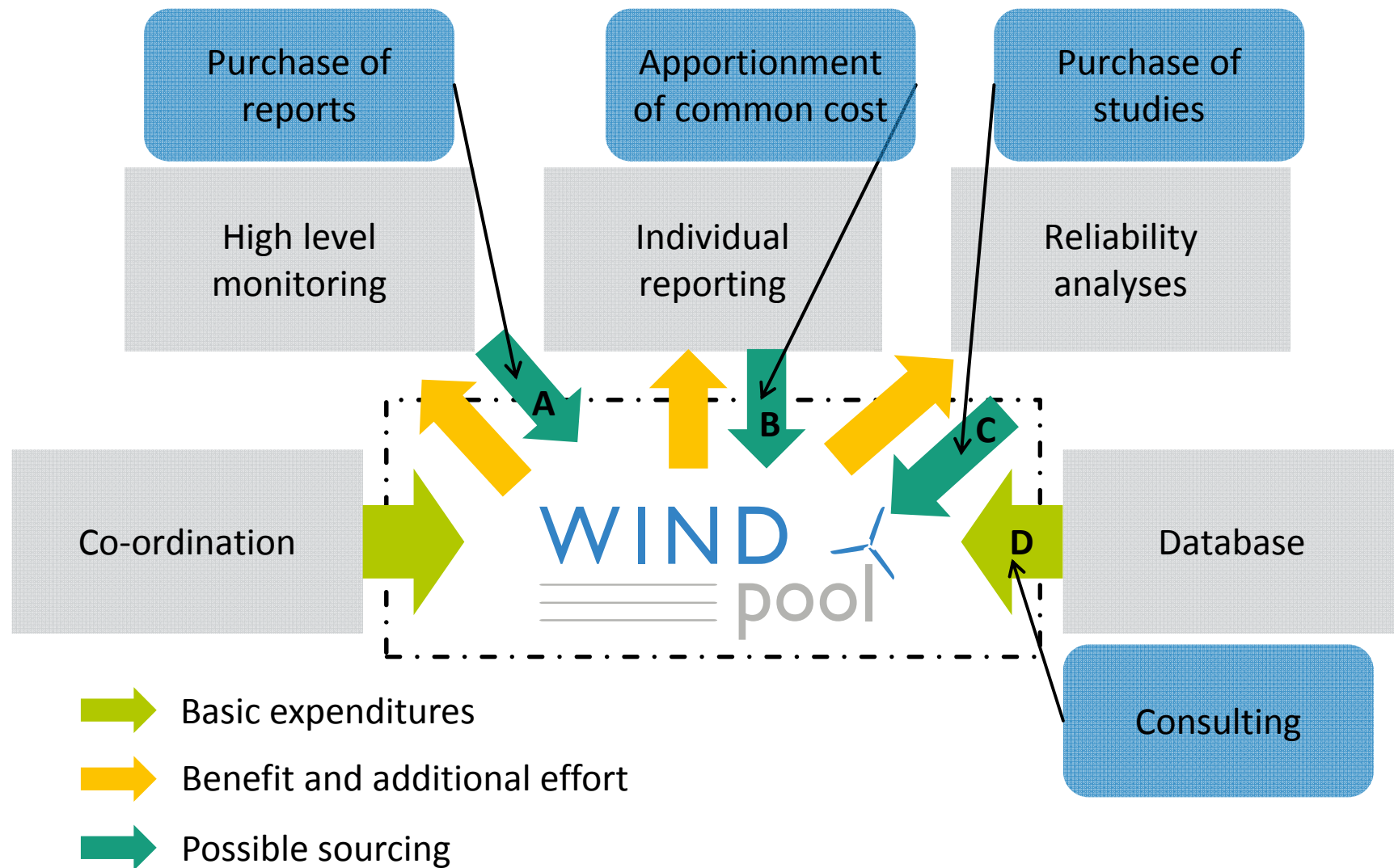


- Participants accept
 - cooperation agreement
 - concept of confidentiality
 - minimum data requirements



- Participants sponsor the public funded project with a small amount. Amount is smaller for Partners delivering data
- Partners support aims of the publicly funded project
- Participants need to prepare data sets in only one format, WInD-Pool is ready for forwarding relevant data to SPARTA

Sourcing after public funding



Summary / recommendation

- Identify your role and your purposes
 - Find your appropriate standards/guidelines and align your database structure and contents
 - Share data and benchmark your KPIs
 - Benefit from results of a broad data basis
- In the long run the benefit will exceed the effort





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