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- Associate Professor (docent) in Software Engineering
- Researcher in industrial software processes.
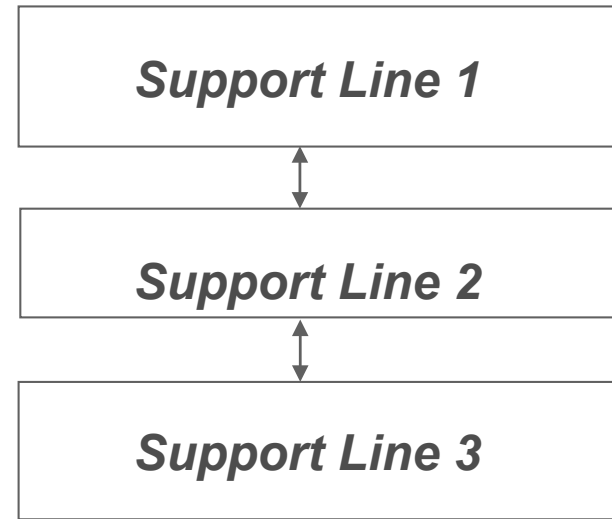- Creator of several industrial evolution and maintenance process models

My statement

- Lack of solid basis for defining software lifecycle
  - Many of the lifecycle processes are black boxes to us or we may not be even aware of their existence.
- Difficulties to identify the scope of development and maintenance and to draw a dividing line between them
- Disagreement wrt classes of post-delivery activities.
- Difficulties to adapt processes to new methods, technologies
- We have no insight into how the processes are related to various organizational levels and roles.
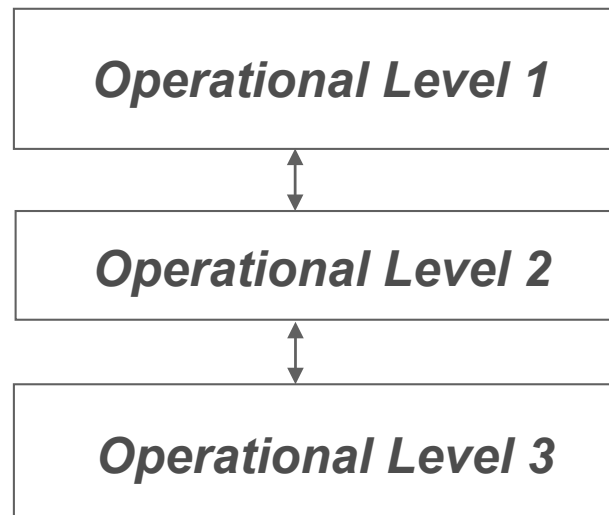
Organizational levels and processes

Business Strategic Level
↓
Strategic Operational Level
↓
Tactical and Implementation Level

Development

Support Line 1
↕
Support Line 2
↕
Support Line 3

Corrective maintenance & support

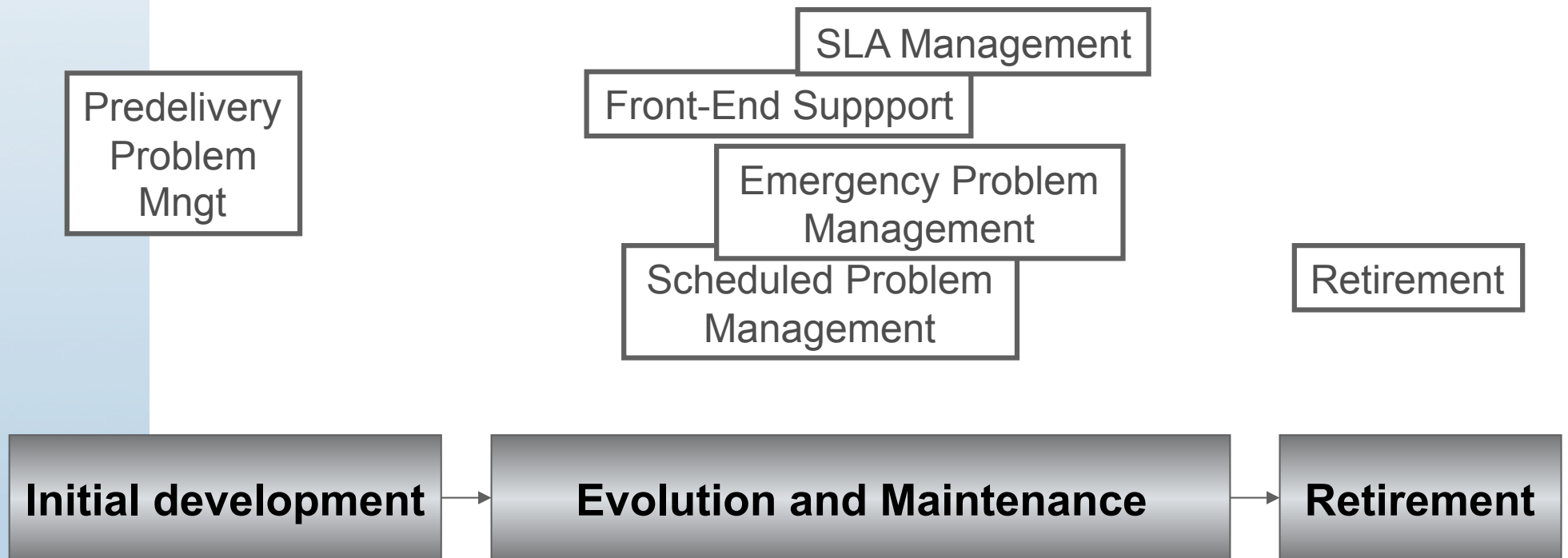| Operational Level 1 |
| --- |
| ↕ |
| Operational Level 2 |
| ↕ |
| Operational Level 3 |

Emergency management

Suggestion

- Create a process roadmap
- List all the lifecycle processes
- Distribute processes on the organizational levels
- Weigh business criticality
- Rate research and industrial urgency
- Embrace hypes with caution
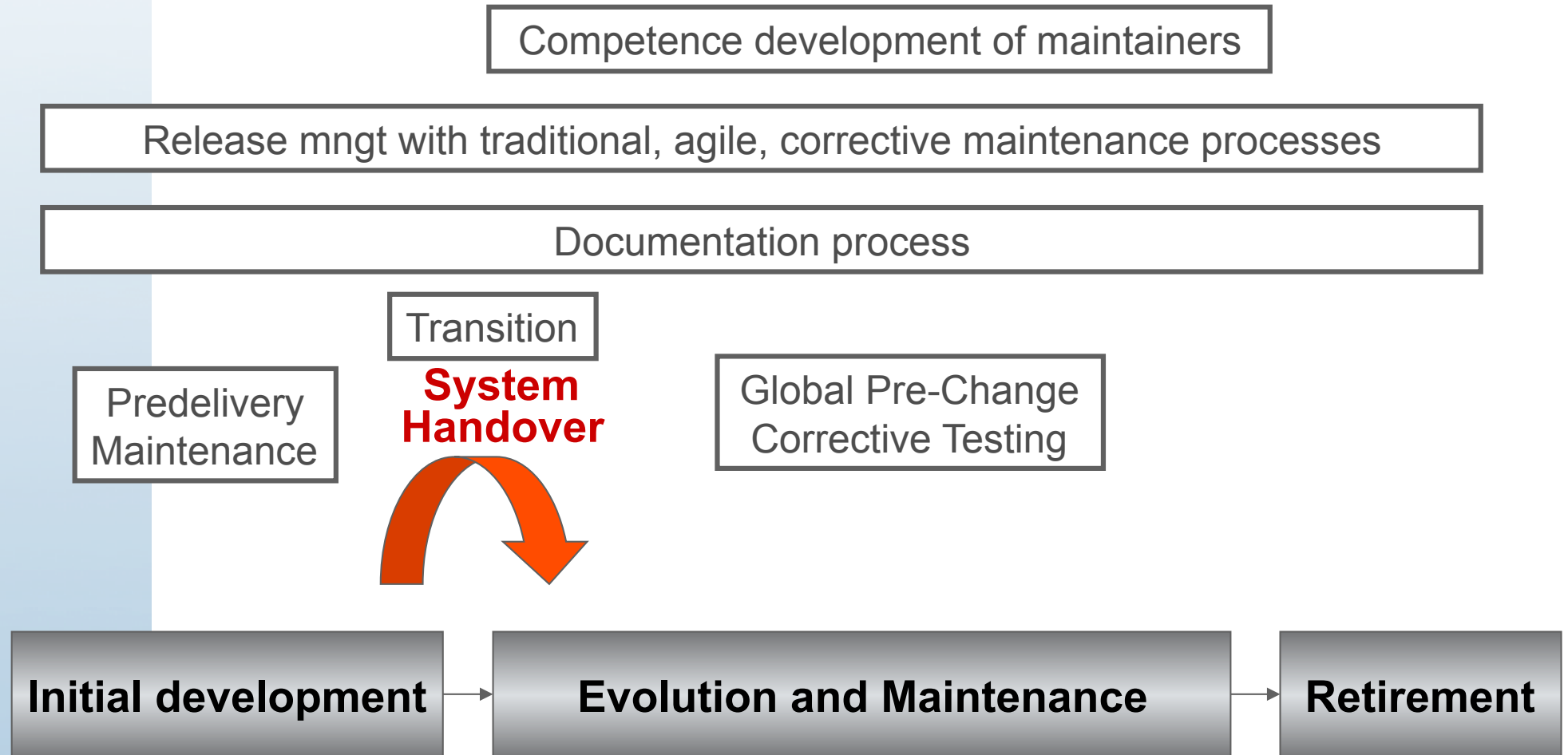- Evolve and maintain definitions and concepts

Process models, based on some initial standards, models

How can I contribute?

Competence development of maintainers

Release mngt with traditional, agile, corrective maintenance processes

Documentation process

Transition

System Handover

Predelivery Maintenance

Global Pre-Change Corrective Testing

Initial development → **Evolution and Maintenance** → **Retirement**

Process models, extensions and adaptations
How can I contribute?

Process improvement in the context of organic and corporate growth

Risk management in distributed, non-distributed, traditional and agile contexts

eMaintenance

SOA-zation Framework

Testing (daily build, developers' tests)

Evaluations of various se practices

Initial development → **Evolution and Maintenance** → **Retirement**