From valuable to indispensable

The Model Maturity Model Integration

(How to increase the value of your models)

SPARX SYSTEMS CENTRAL EUROPE

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Peter Lieber

„Innovation needs models“

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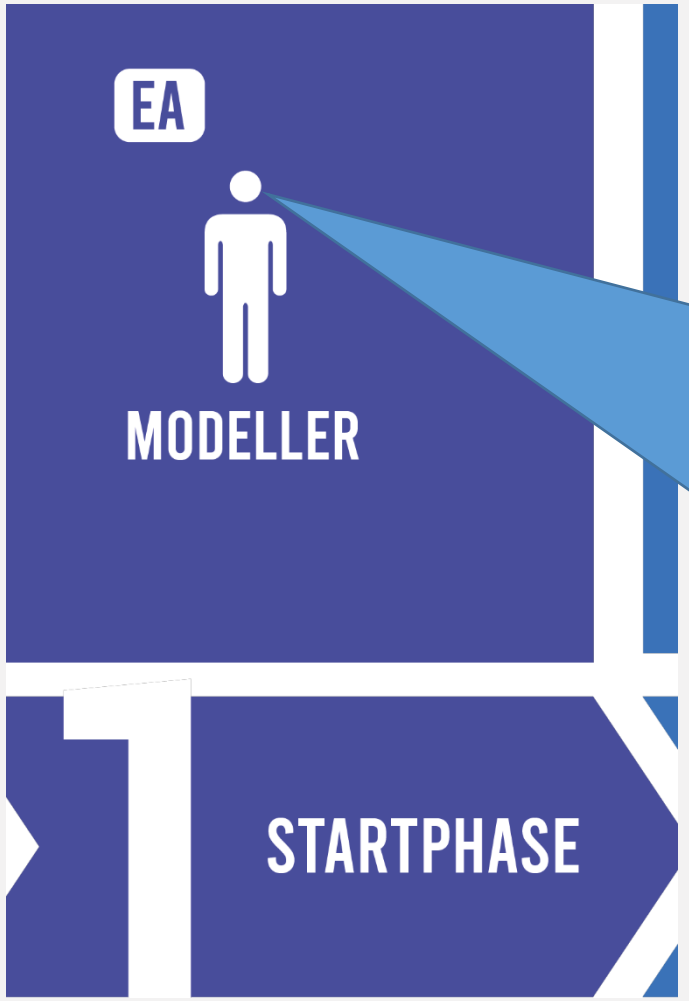
MMMI Level 1 | Startphase



I use EA this way daily for any ideas, notes, thoughts but also for private stuff as wedding planning, funeral planning, household organization, …

Ideas: Easy to get, easy to install, easy to run

- Purchase a license of EA
- Install EA, Run EA

- Collaboration: Me, Myself and I
- Structure as you wish
- Use what you need and what

- Share your thoughts using documents, HTML generation, model sharing, …

If your modelling work is helpful for your organization – maybe your colleagues are also interested in starting with modelling (with EA of course) and then...

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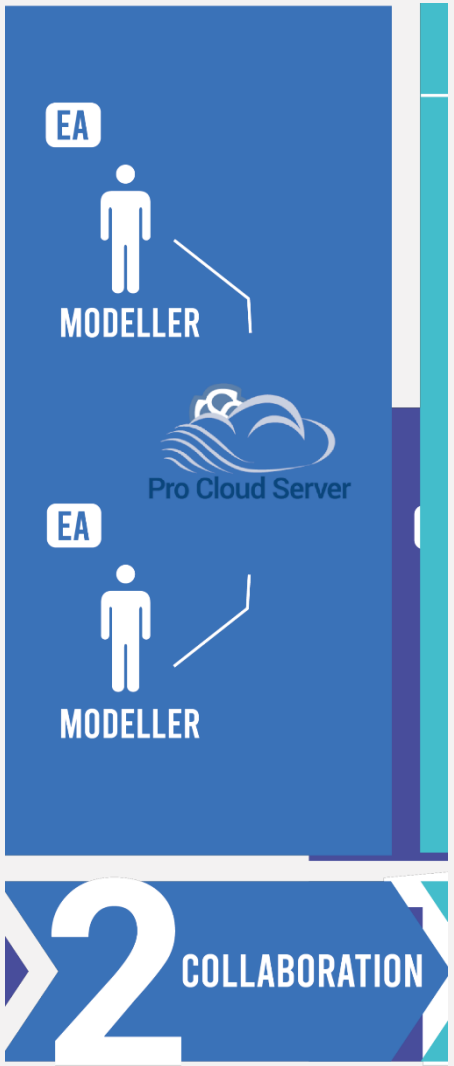

MMMI Level 2 | Collaboration

Ideas

- Central Database repository
- Use ProCloud Server
- Share Licenses using EA Floating
- Define a common structure (packages, diagrams, elements, …)
- Identify possible collaboration challenges
  - Lock-Mechanism
  - Visibility Levels
- Activate EA security
- You can already start thinking about
  - Use Prolaborate with Live Access

If your modelling team is growing and you want to share also with people not aware of modelling but needs access, results, analysis or provide input - then...

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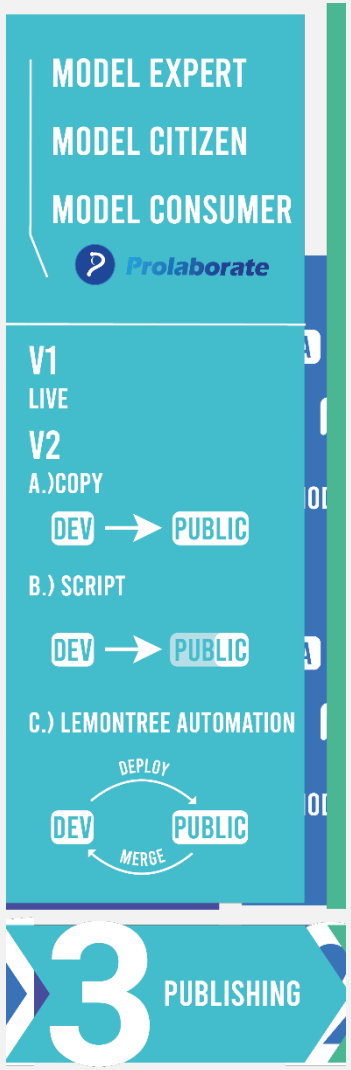

MMMI Level 3 | Publishing

Ideas

- More database repositories
  - DEV, TEST, PROD
  - Per Project, Per Solution, Per EAM, …
  - Local, DBMS
- Deal with versions, variants
- Identify your own methodology (MDG, Validation rules, scripts, scriplets, assistants, …)
- Implement a publishing process (Copy, Script, Automation, …)
- Identify different Model roles (Expert, Citizen, Consumer)
- Use Prolaborate
  - To share and integrate the published model
  - To collaborate for model under development
- Use Automation to improve productivity and raise the value of your model work
- Reusable Asset Services or LemonTree Components

If your model work has regulator, certification impact e.g. ISO26262 for automotive, DO178C for aviation, ... - then...

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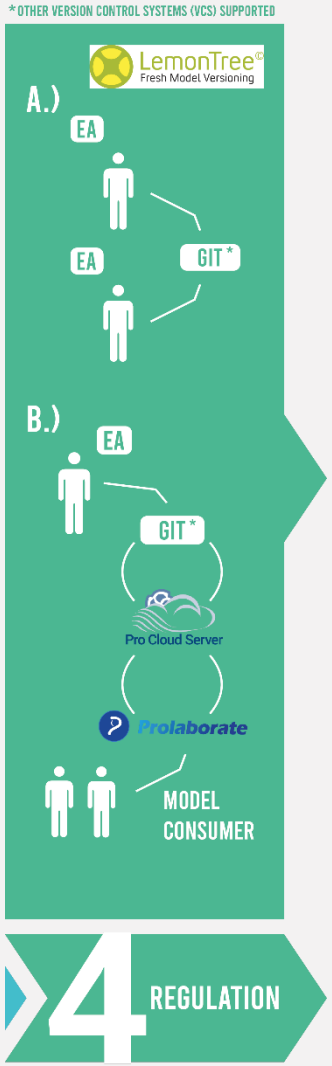
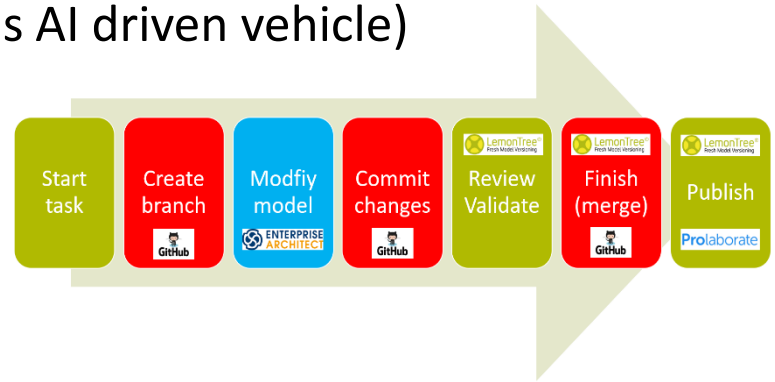


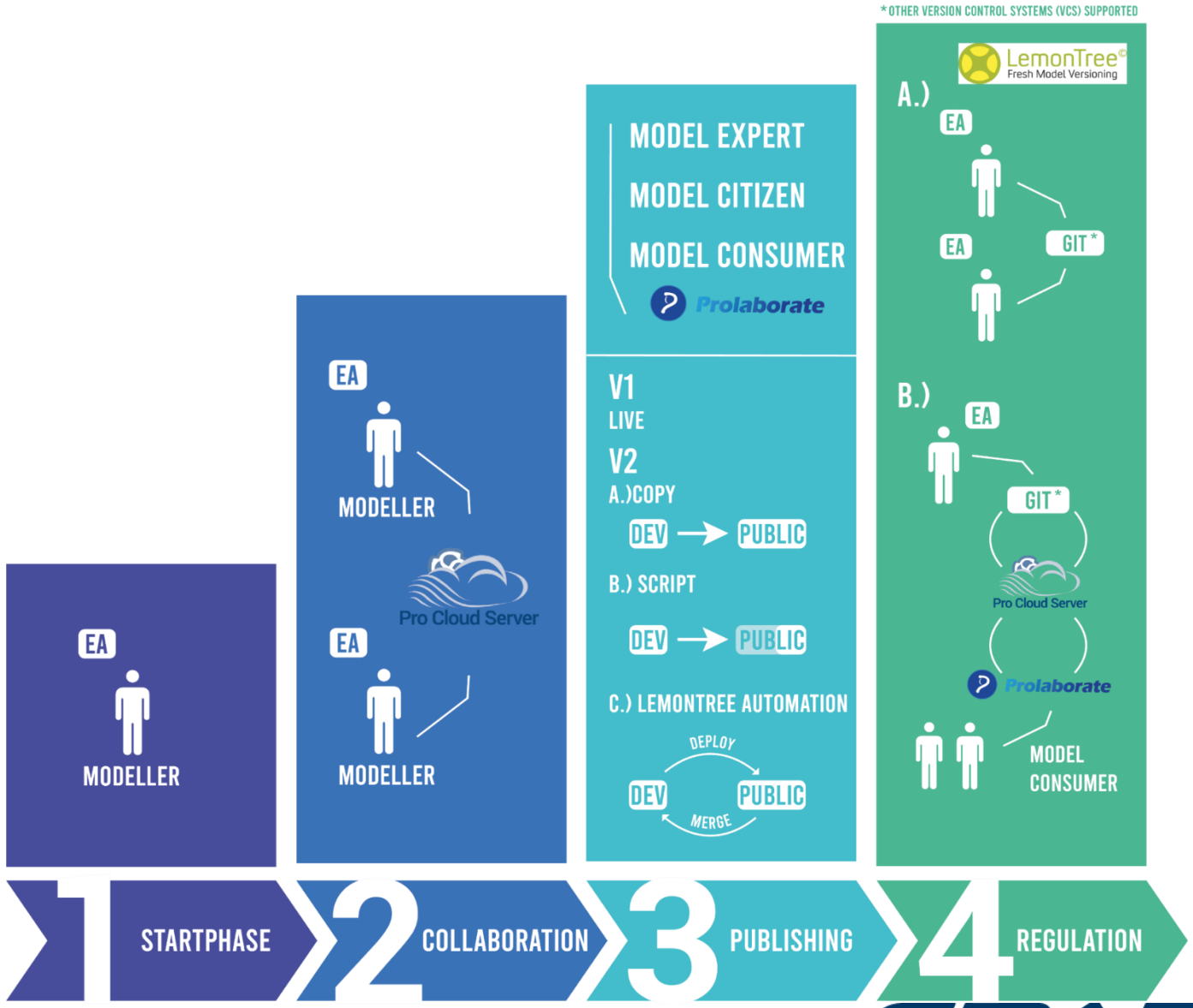
MMMI Level 4 | Regulation

Ideas

- You need to have a version controlled backend (e.g. very popular GIT)
- You need to have structured change management for the model itself
- You have to keep historic stages (versions) from your model for evidence (e.g. for a court process if a person was injured by the autonomous AI driven vehicle)



MMMI Level 5 | Optimizing



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Q&A

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