



UniversitätsKlinikum Heidelberg

Health Executive Tour Germany 2017

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Mai 2017

University Hospital Heidelberg

Center of Information Technology and Medical Engineering

UKHD: Organizational structure UKHD

Supervisory Board

Executive Board

Clinic/ Centers

Chirurgie
Innere Medizin
Kinderklinik
Hautklinik
Frauenklinik
Orthopädie, Unfallchirurgie, Paraplegiologie
ZPM
Anästhesie
<u>Kopfclinik</u>
- HNO
- MZK
- NCH
- NEU
- RAD
- AUG
AMED & VF

Institutes

Humangenetik
Infektiologie
Pathologie
Immunologie
Public Health
Rechtsmedizin
Med. Biometrie & Informatik
Anatomie & Zellbiologie
Physiologie & Pathophysiologie
Geschichte & Ethik der Medizin
Pharmakolog. Institut

Central Facilities

UKOM
QMMC
Innenrevision
Klinikumsapotheke
Strahlenschutz
TPL-Beauftragte
Planungsgruppe Medizin
ZIM

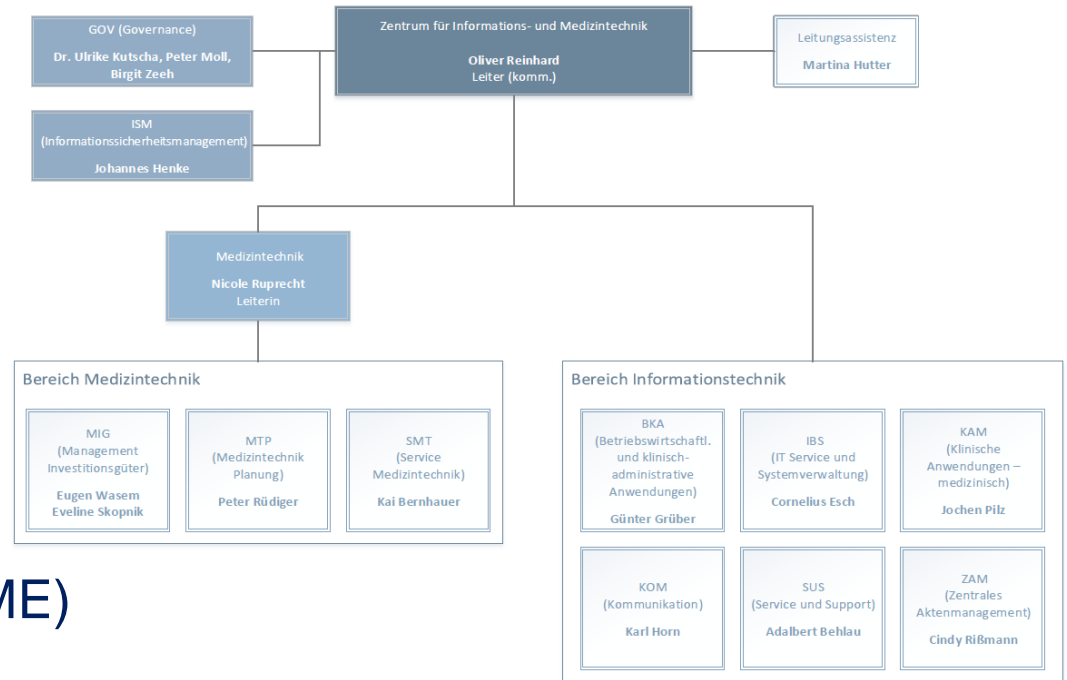
Business Units (GB)

GB 1: Personal
GB 2: Finanzen
GB 3: Materialwirtschaft
GB 4: Recht- & Drittmanagement

Sites & Shareholdings

KSG (100%)
KTG (100%)
KEV (100%)
KLH (100%)
Hamburg MRT Neuer Wall (100%)
HIT (100%)
Thoraklinik (100%)
Technologie Transfer (90%)
KKB (90%)
MIT (75,1%)
AfG (75%)
MVZ Weinheim (67,5%)
IKTZ (24,9%)
EK UNICO (7,69%) QMBW (11,11%)

Center of Information Technology and Medical Engineering



- 174 Employees (123 IT, 51 ME)
- Infrastructure, Applications
- Archiving
- Service and Support (IT and ME)
- Equipment planning
- Investiv Purchasing
- Research



Challenges

Data growth & need for Secondary Use

- Classical med. documentation (mostly unstructured)
- Devices – ME-IT (low level of standardization)
- Personalized medicine (...omics)

Data quality!

Knowledge growth

- Evidenced Based Medicine

Changes in med. care

- Rural area
- Telemedicine

Patient empowerment, social digitalization, demographic change

- Networking, eHealth
- Smartphones, Wearables, APPs
- A lot of dynamics in health market

Cost pressure

- Data driven process-management
- Mobility

EMR, rigid systems and vendors/ company sales

- Consolidation & Change of architecture needed



Two-Speed-IT



s. Digital McKinsey

<http://www.mckinsey.com/business-functions/digital-mckinsey/our-insights/a-two-speed-it-architecture-for-the-digital-enterprise>

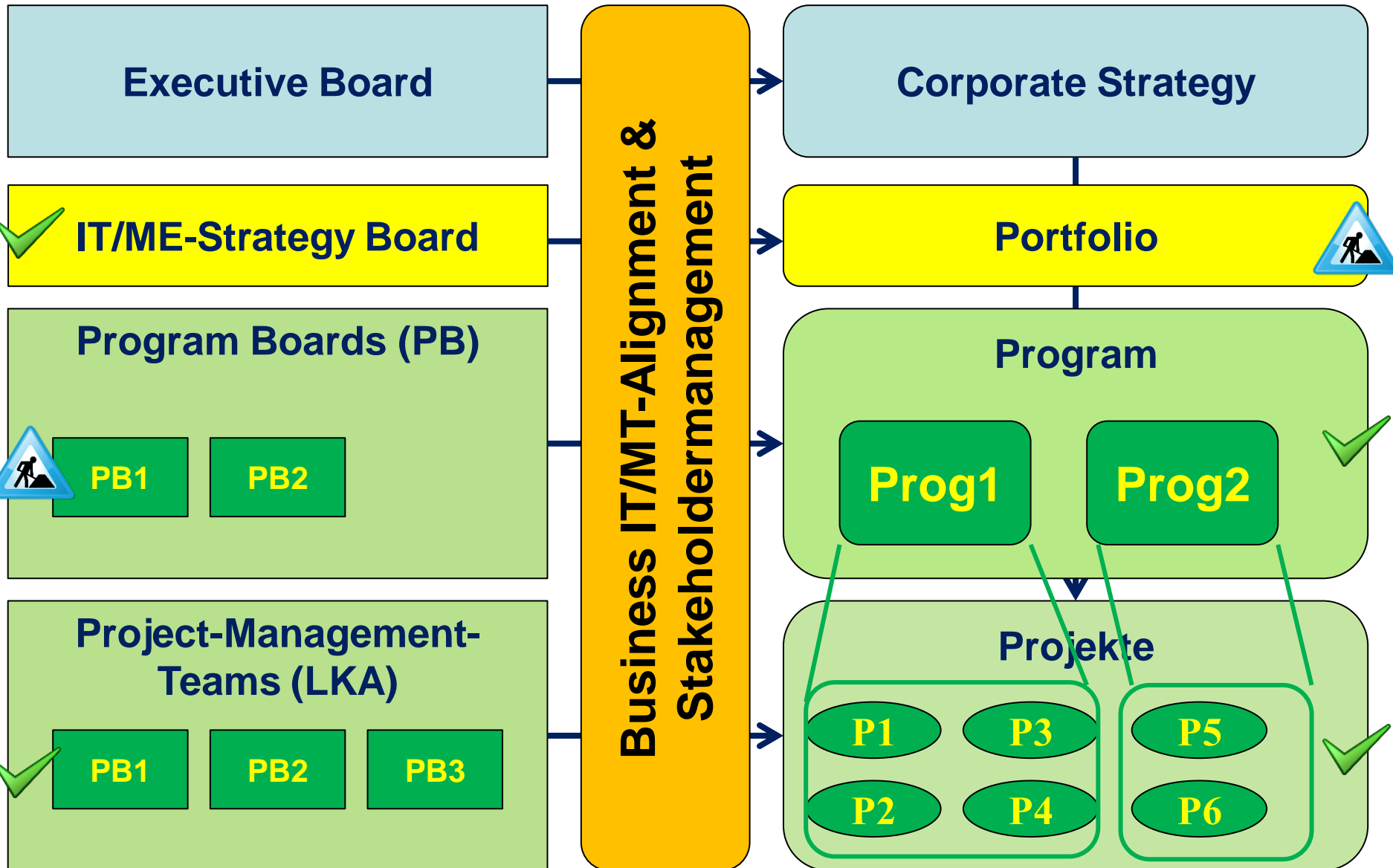


Objectives (Areas of Activity)

(taken from IT-Strategy – Objectives 2017 / 2018)

- **A1:** Development of IT for physicians and nursing
- **A2:** Development of IT Management
- **A3:** Development of R&D (Big data, Medical Data Science)
- **A4:** Development of the health network (eHealth und mHealth)
- **A5:** Support for the new buildings/IT of the surgical department

Programs & Projects



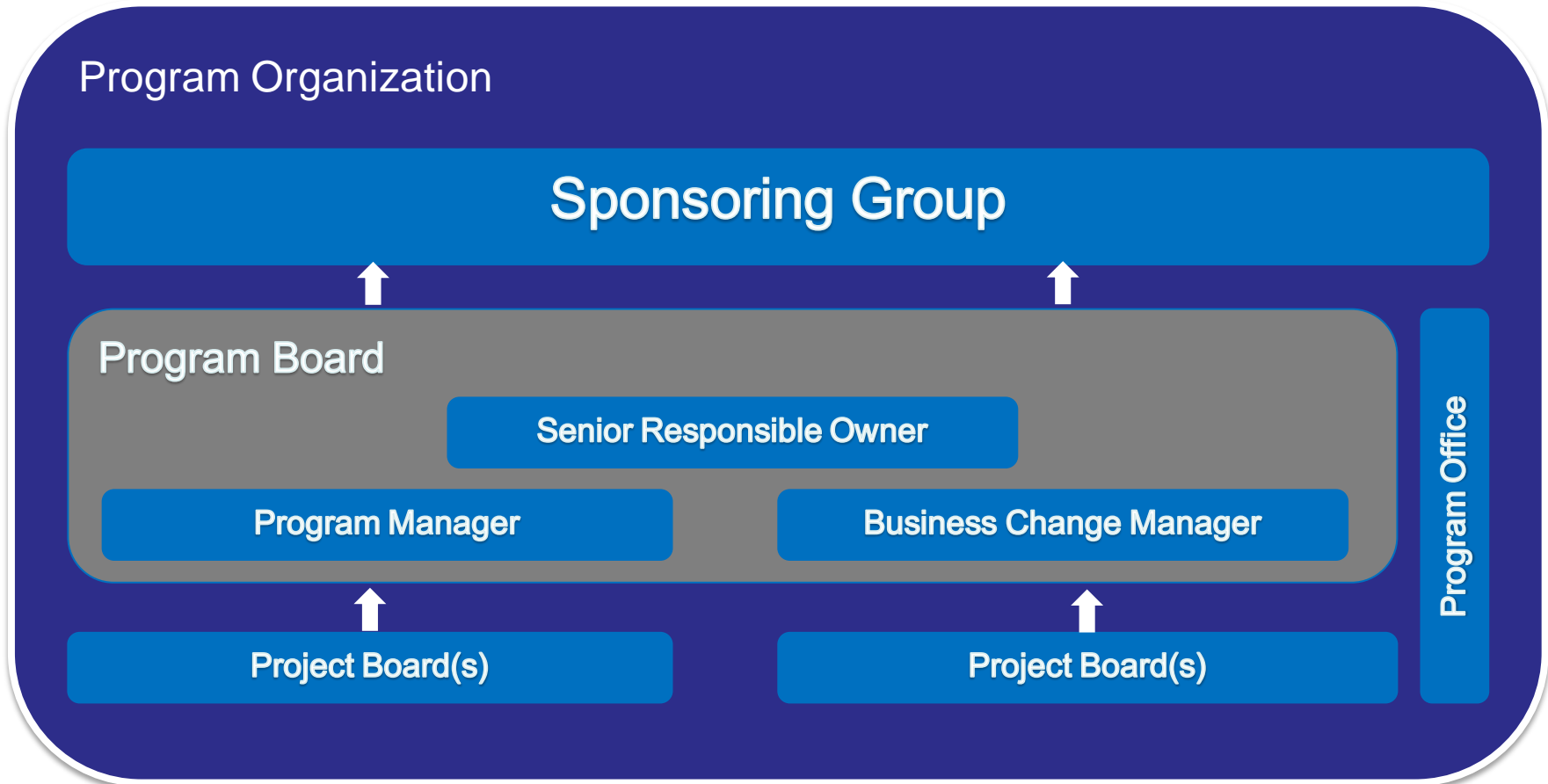


What is MSP?

MSP stands for „**Managing Successful Programs**“ and is a Best Practice Method to drive **Organizational Change**, maintained by AXELOS, a joint venture of the Government of the United Kingdom and Capita. The method was developed by the Cabinet Office of the Government of the UK and is based on experiences from programs in the private and public sector.



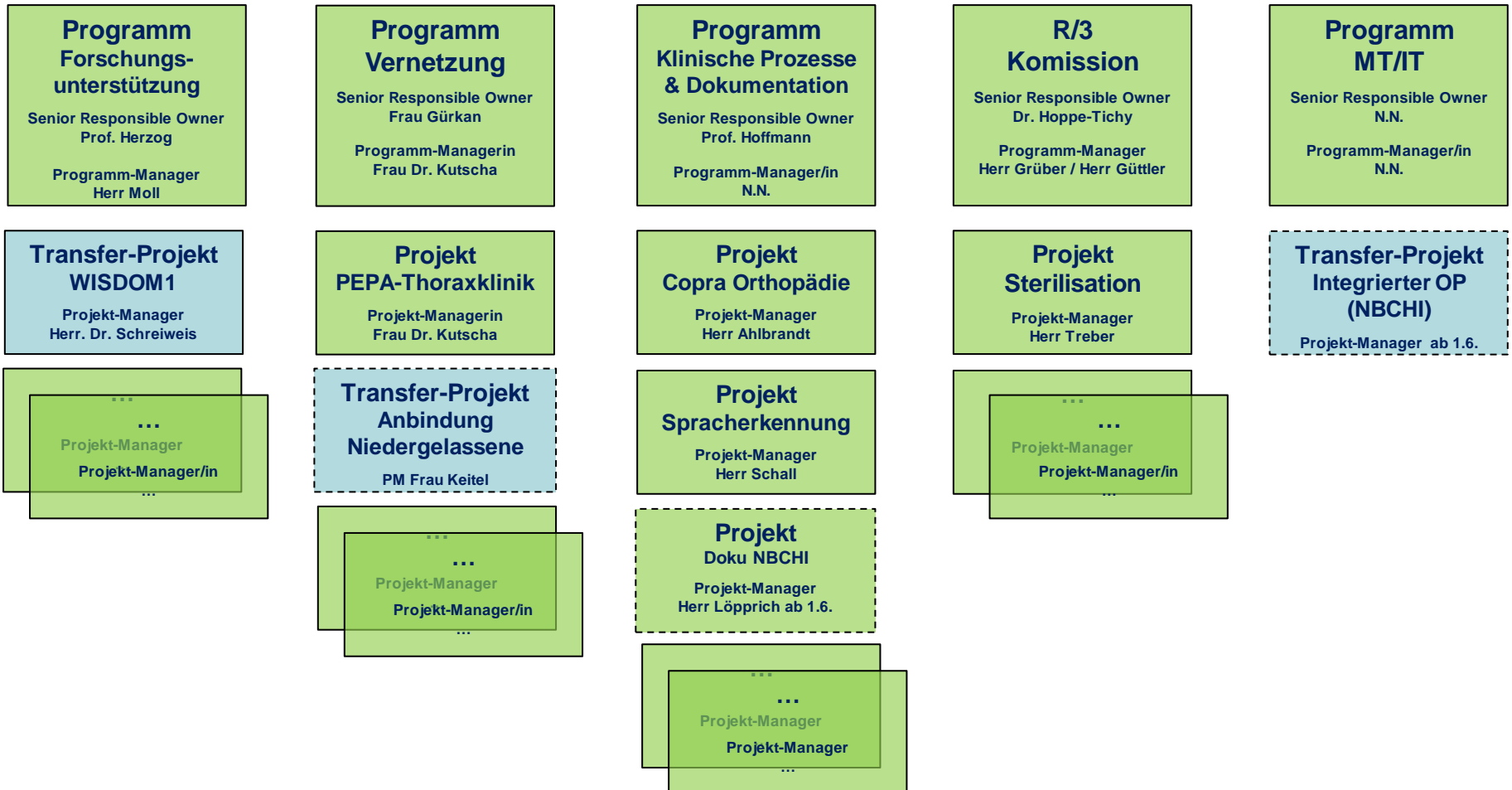
Program Organization





IT/MT-Strategieboard

(Prof. Adler, Frau Gürkan, Prof. Herzog, Herr Reisch, Prof. Bergh, Herr Reinhard, Prof. Hoffmann, Prof. Debus, Gäste: Frau Kauth, Herr Jones)





Conclusion

- Foster and speed up IT Supply Chain
- Rise Quality of IT Supply Chain
- Build up and develop IT Self Services
- IT to support business – not only IT
- More R&D
- Structure what has to be structured



Thank you!