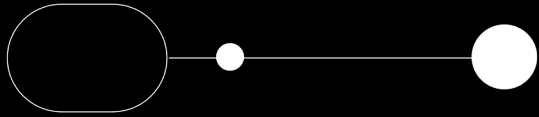


# Data Ecosystem Readiness for AI

Wie bereiten Sie Ihre Datenlandschaft optimal auf AI vor?

Andreas Odenkirchen  
Dr. Matthias Schlemmer  
Eileen Dahlen

# With you today



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Dr. Matthias  
Schlemmer  
Partner



Andreas  
Odenkirchen  
Director

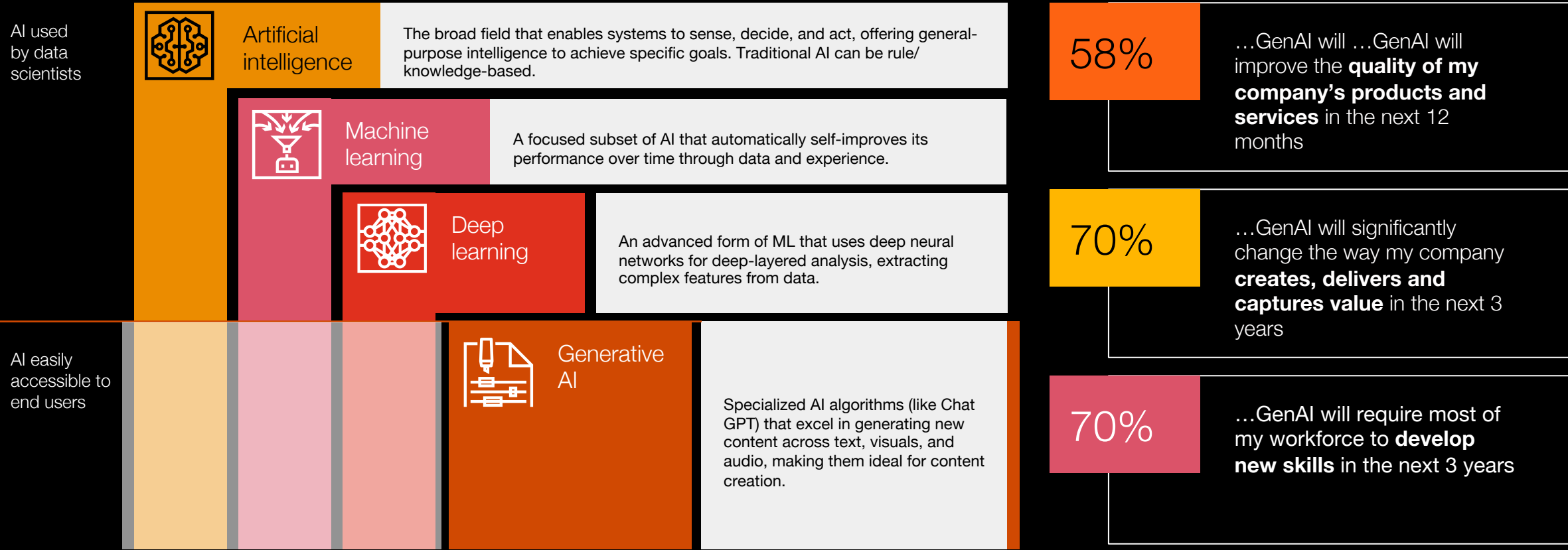


Eileen  
Dahlen  
Senior Manager

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# Situation: The GenAI hype pushed AI to the CEO agenda, putting pressure on the CIO/CDO to “make it happen”

...of CEO's say that...



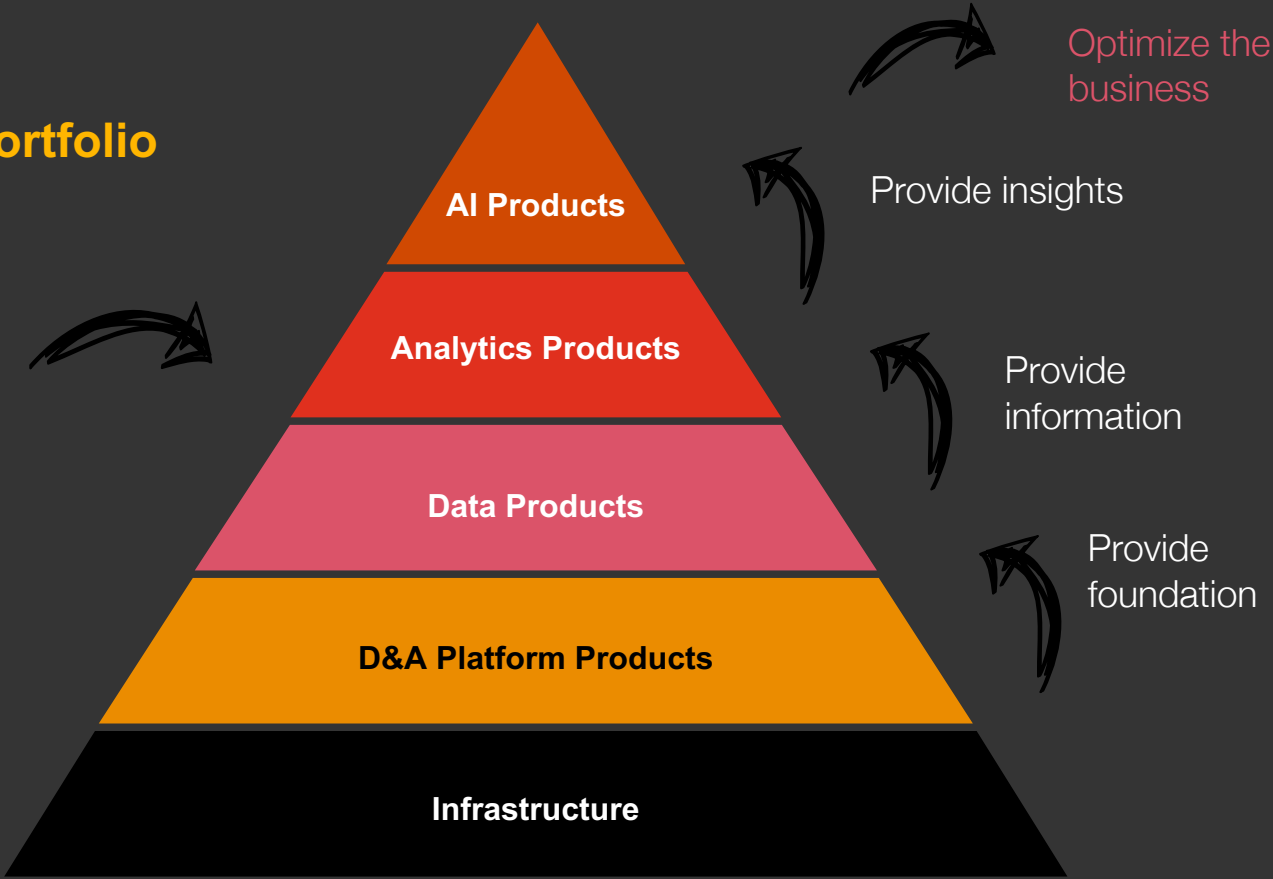
Source: PwC Strategy& analysis, PwC's 27th Annual Global CEO Survey, 2024



# Data & AI Products: CIO/CDOs need to enable the delivery of an end-to-end portfolio, from platform, data, to AI products

## Data & AI Product Portfolio

Business-defined use cases



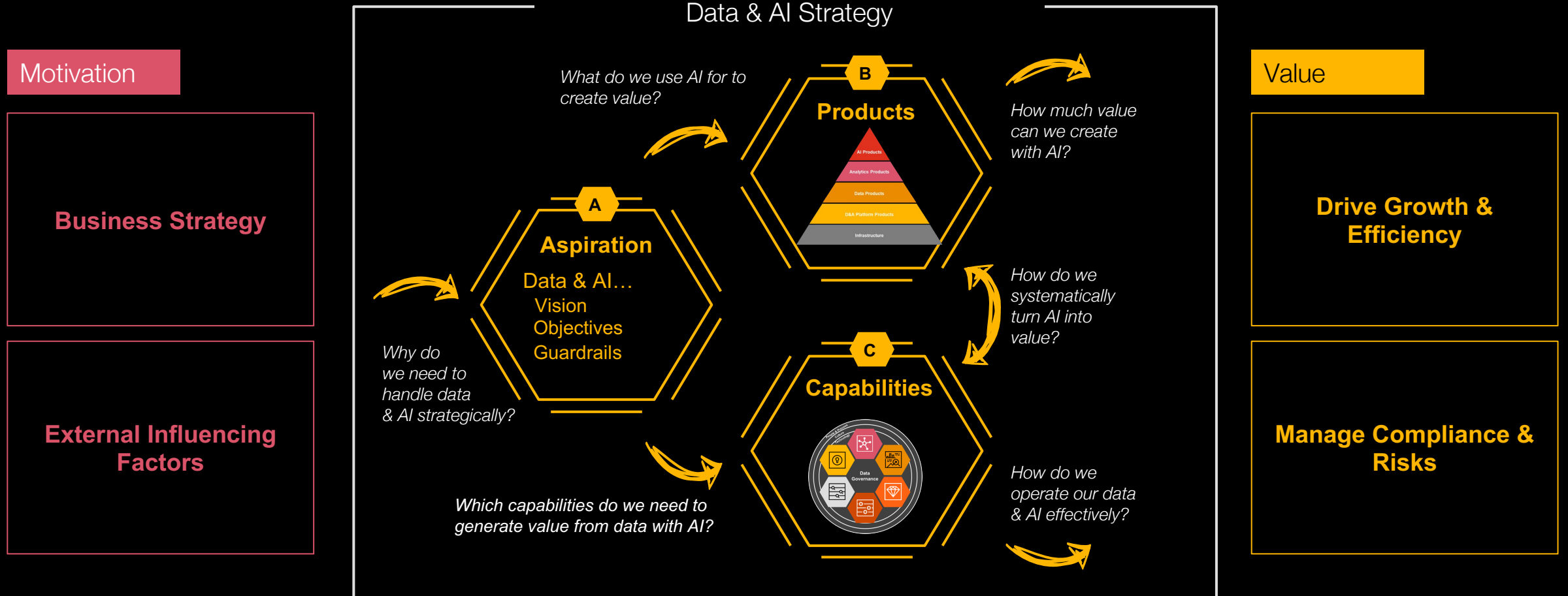
*Without good **data**,  
no good **AI***

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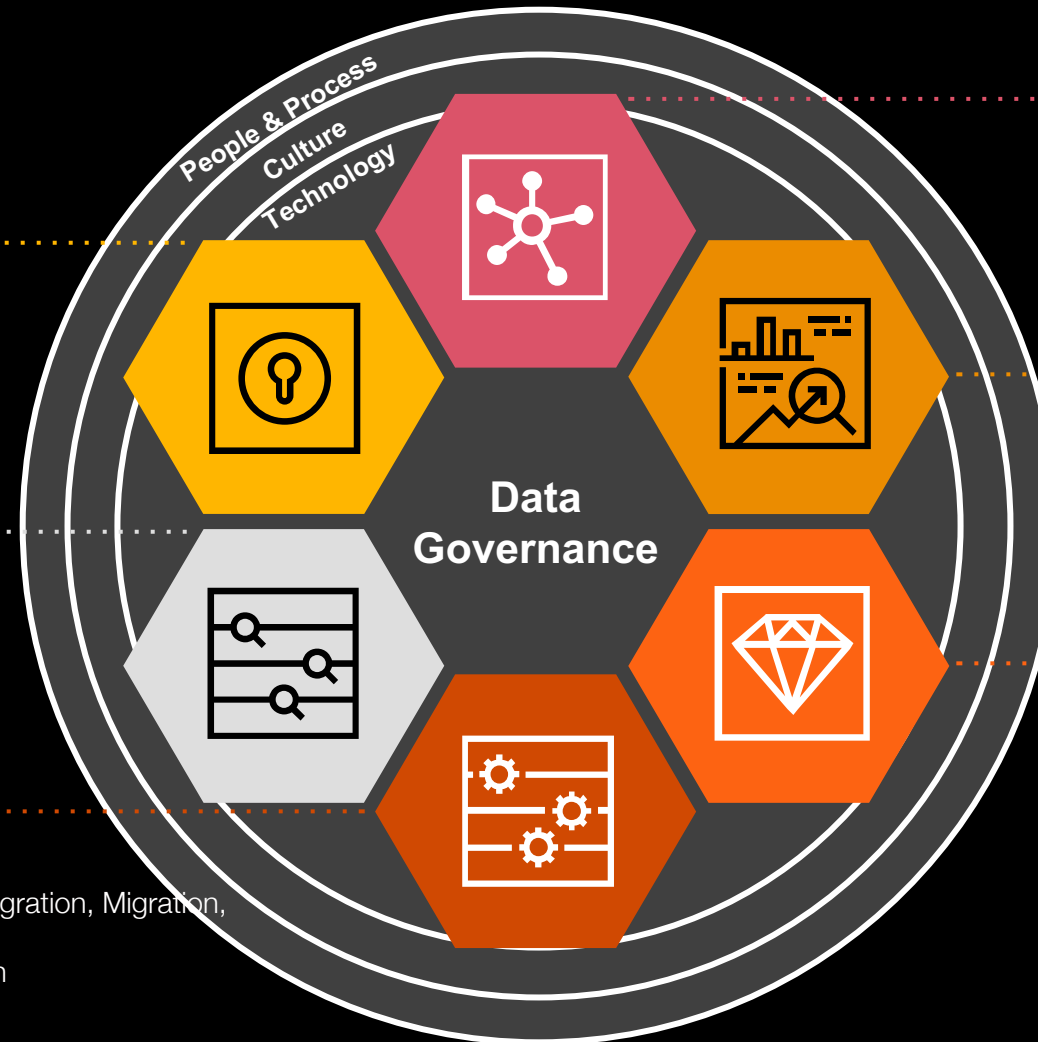
*Without a **platform**,  
no **scale***

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# Approach: A comprehensive Data & AI Strategy aligns the right use cases and capabilities to reach the business aspiration



# Data Governance: Multiple capabilities need to be established, from data architecture to quality and protection



## Data Protection

- Data Classification, Privacy & Deletion
- Data Security, Encryption, Access Controls
- Incident Management & Data Recovery

## Document & Content Mgmt.

- Principles, Policies & Guidelines
- Compliance Monitoring
- Reporting

## Data Processing

- Data Lifecycle Management, incl. Collection, Integration, Migration, Transformation, Storage, Provisioning, Archiving
- Data Warehousing, Data Lake, Data Virtualization

## Data Architecture

- Enterprise Data Modeling
- Data Definitions & Taxonomies
- Reference & Master Data Mgmt.
- Data Integration

## Data Catalog & Metadata

- Data Discovery
- Data Cataloging (incl. Business Glossary, Data Dictionary)
- Data Lineage

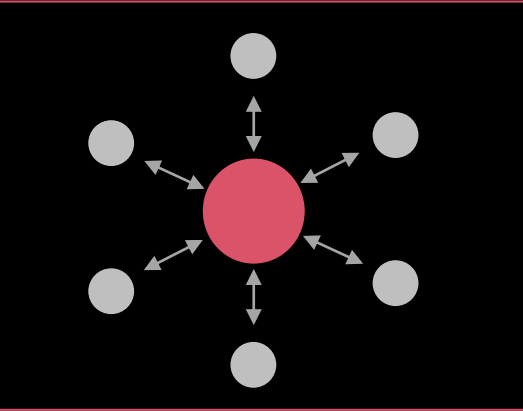
## Data Quality

- Data Quality Control
- Data Issue Management
- Data Error Correction
- Data Quality Reporting

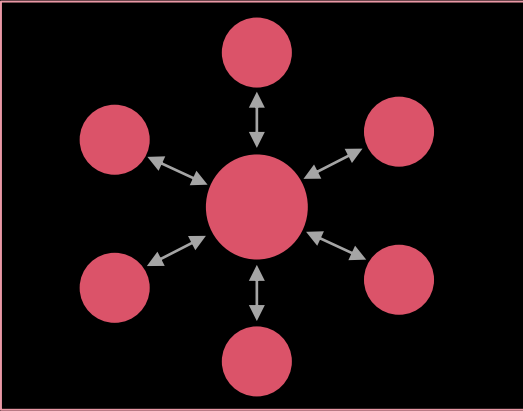
Source: PwC Strategy& analysis

# Organizational Setup: Data activities are organized with varying degrees of centralization and business autonomy

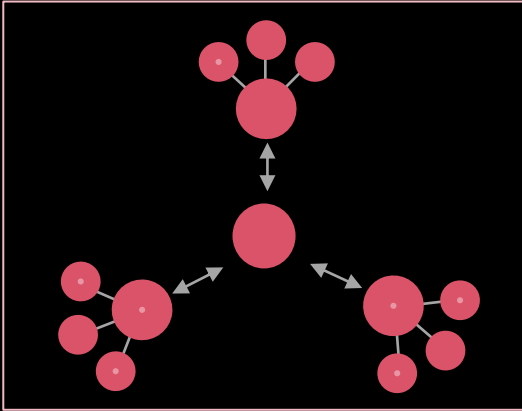
**1** CENTRALIZED MODEL



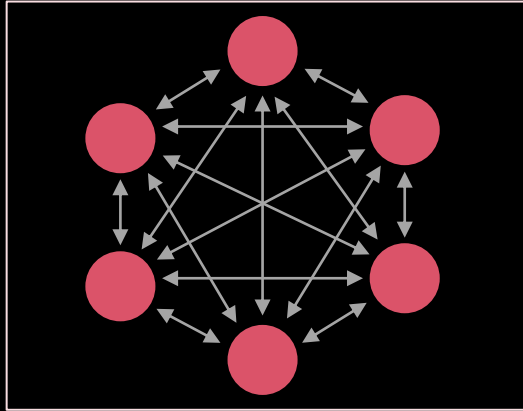
**2a** HUB & SPOKE MODEL



**2b** HUB-HUB & SPOKE



**4** DECENTRALIZED MODEL



Degree of **business autonomy** (high ease of implementation, proximity to data)

Degree of **centralization** (acceleration, synergies, consistency)

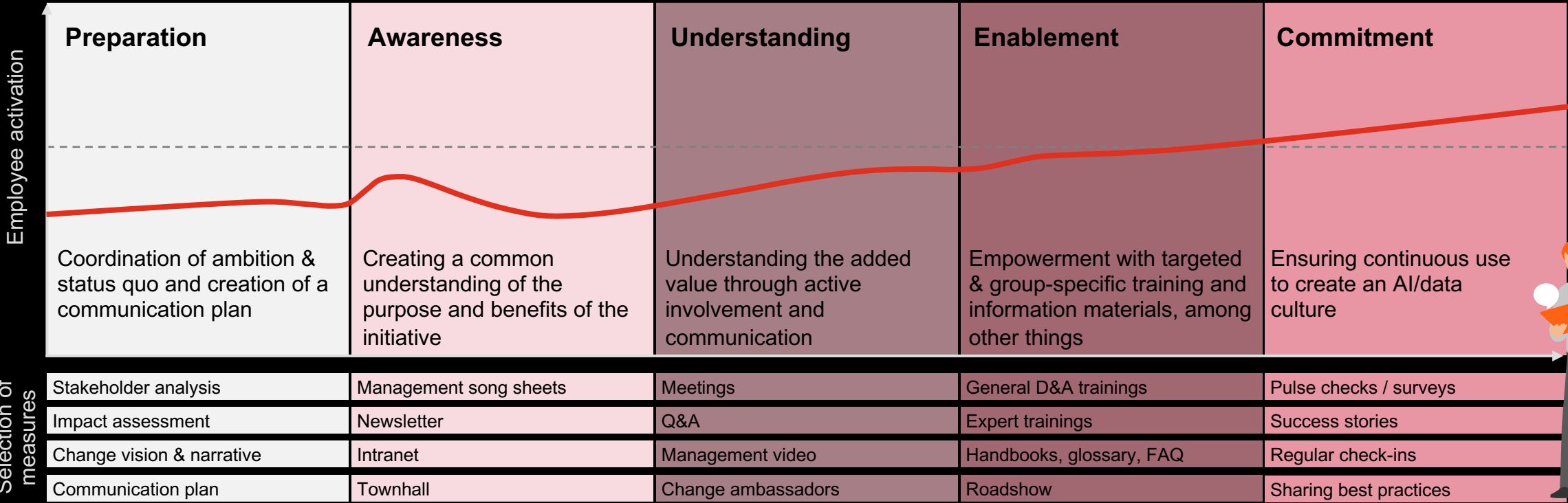
■ Data capabilities ■ Business

Source: PwC Strategy& analysis

PwC | How to prepare your data ecosystem for AI

# Culture: Successful data and AI transformations require people activation

Key phases of implementation

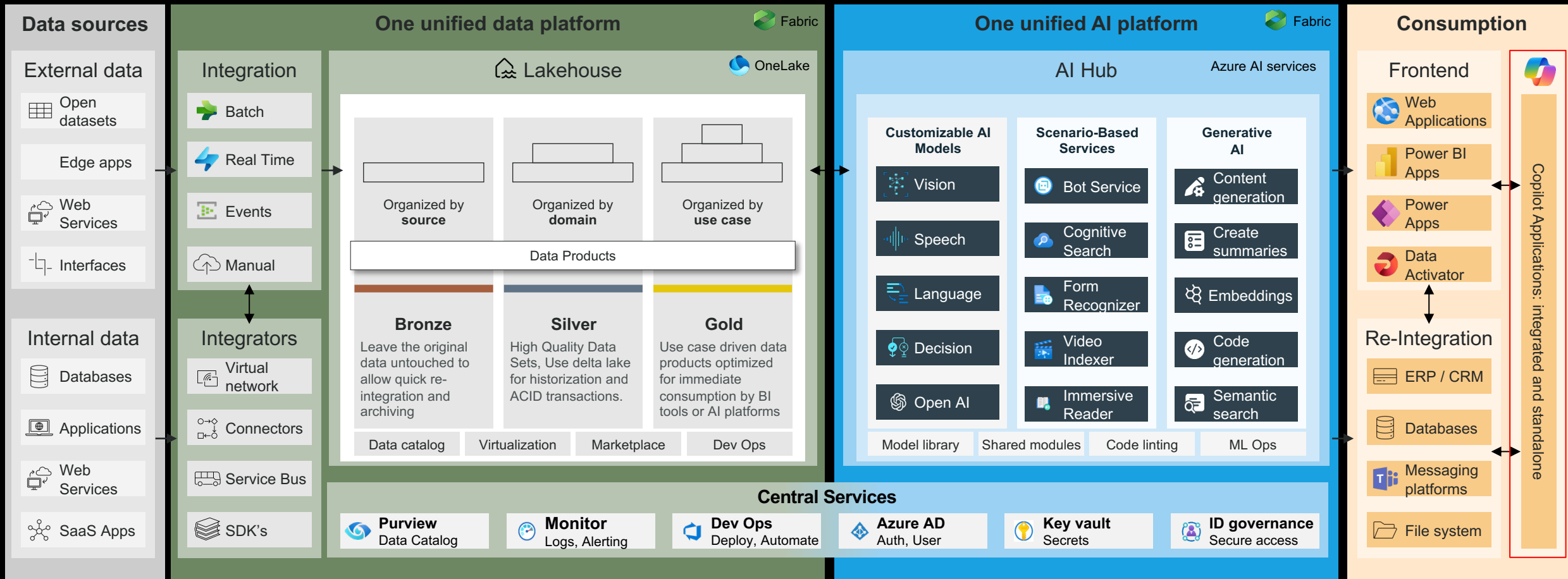


After an initial status quo assessment, the appropriate measures can be selected to activate all employees

Source: PwC Strategy& analysis



# Technology Architecture: Establish an integrated data & AI platform



Exemplary architecture on Microsoft Azure

# Discussion: Given a world of permacrisis and continuous reinvention, do you perceive a change in Data & AI strategies?

Observed trends in Data & AI strategies...



## Continuous Adaptability

Political and economic uncertainties require flexible approaches with minimum lock-in



## Short-term business impact

Focus on initiatives with clear ROI, in particular direct cost-reduction use cases



## Human-led, tech-enabled

GenAI will likely not replace your job, but someone using GenAI will



## Decentralization & Federation

Business reactivity requires decentral autonomy, but central enablement and governance

... and the changing role of data decision makers



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# Thank you

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