

Global parameterization of country-specific SAP modules



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The research

- ❑ Multinational companies
- ❑ European university members
- ❑ Centralized or decentralized
- ❑ The foundation is followed by the harmonization of IT



ERP globalization models I.

- Model-1: Central ERP using any subsidiary
- Model-2: Central ERP system communicates with every single subsidiary
- Model-3: Central ERP system communicates with the entire various subsidiaries

ERP globalization models II.

- ❑ Model-4: Network used in each module has a subsidiary in another country
- ❑ Model-5: Country-centralized operation systems
- ❑ Model-6: specific business processes, centralized management

Globalization, unification steps

- ERP systems in the center of the country
- Subsidiaries ERP systems, a single standardized code structure
- Globalized system, uniform parameterization in group level

Decision-making and implementation phases

- ❑ Globalization of the business decision to launch
- ❑ Group-wide, uniform parameterization
- ❑ SAP "organizational structure" designs
- ❑ Parameterization of country characteristics
- ❑ Determination of changes in the process
- ❑ Migration of modules
- ❑ Individual business process outsourcing

Questions about professional country-specific parameterization

- ❑ Course of business
- ❑ The organizational structure
- ❑ Differences in global and country-level
- ❑ Country-specific chart of accounts
- ❑ Personal income tax and corporation tax
- ❑ Local tax requirements
- ❑ Invoice cash-receipt

Three different types of data

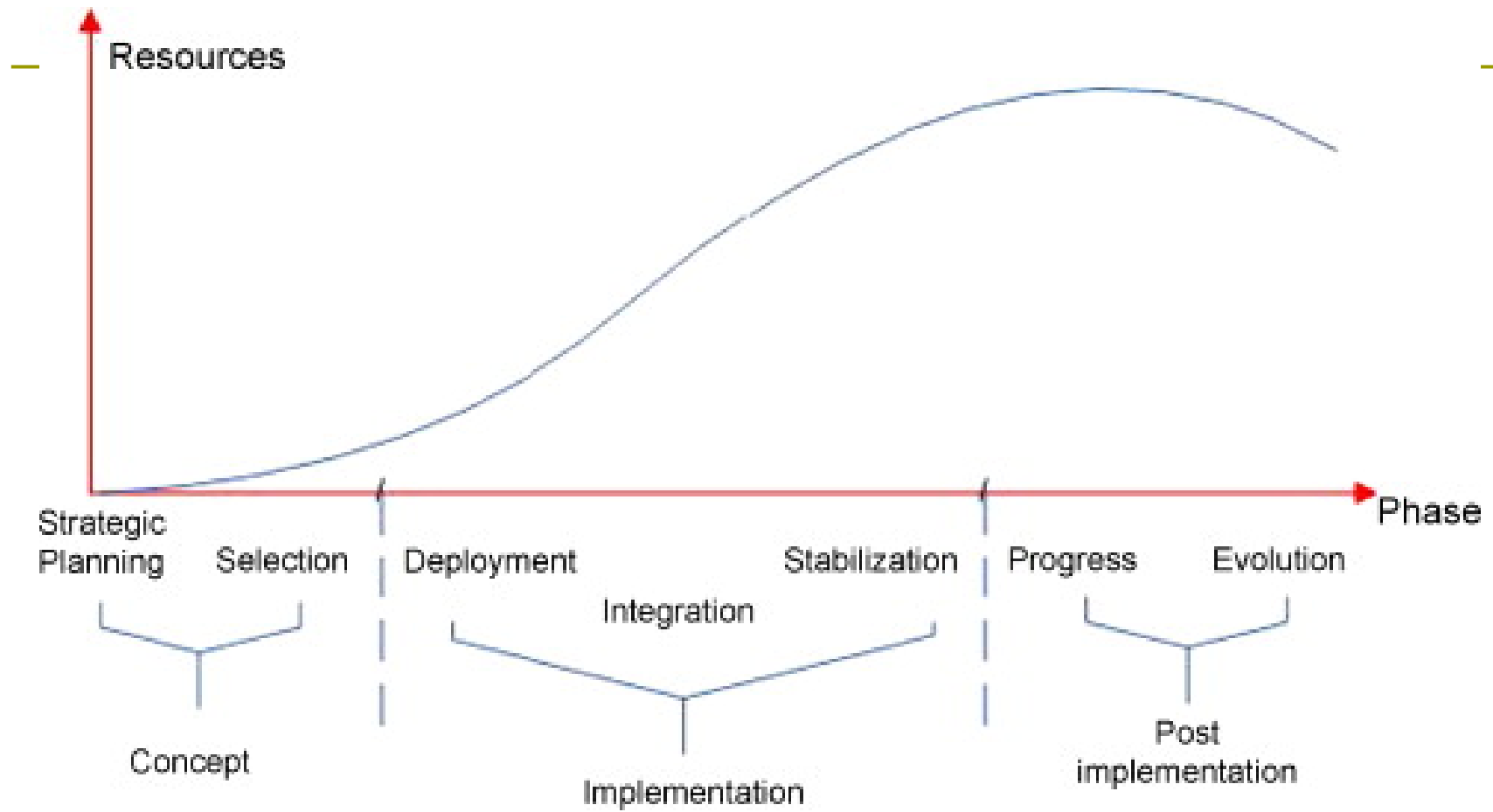
- ❑ Master data: the central information, suppliers, customers, products, warehouses, factories
- ❑ Transactional Data: daily order of business arising from the data, purchase orders, invoices, offers, deliveries.
- ❑ Historical data: the data, which analyzes audits and stored.

Newcomer's three category

- ❑ Not flexible, more creative → pricing
- ❑ Parameterize without reprogramming → financial data
- ❑ Parameterize + reprogramming → factory

ERP solutions in parameterization

- Standards treatment
- 2001, reprogramming of the parameterization
- Parameterization represents fixed costs
- Parameterization and reprogramming separate and parallel projects
- Parameterization vs reprogramming



MODULARITY

Component
Modularity

PCs

**ERP
SOFTWARE**

Platform
Modularity

AUTOS

Fully
Integrated

CELL
PHONES

DATABASES

INDUSTRIAL
ROBOTS

Uniform Switchable Parameterizable Programmable

PROGRAMMABILITY

Literature

- Ackermann's two category
- Documentation side
- No life without end-user?
- Configuration vs. add-ons vs. program code modify parameterization

Conclusions

- ❑ Target a single management system
- ❑ Target & planning &
- ❑ Harmonize the data structure and processes
- ❑ Developing the parameterization-method and techniques



Thank you for your attention

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