E-government - the infrastructure

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Infrastructure challenges (I)

- Optimisation of physical, electronic, geographical presence in sustainable, environment-aware economies
- Intelligence of systems, user-aware interfacing and interaction, identity issues, make systems understand humans
- Virtual Products (customer-driven products, replication of products and services, substitution of physical products with digital counterparts, customer-driven value chains)

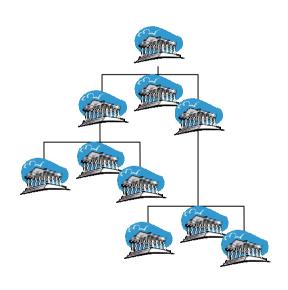
Infrastructure challenges (II)

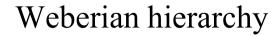
- Digital analog
- Accounting control
- Frequency and numbers
- Local central
- Highly distributed/ scattered organizations
- Internet mobile technologies
- Front-end & back office converging

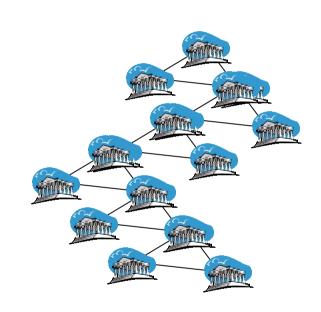
The VIDS

Volume
Integration
Diversity
Span

Configuration issues







Mobile and virtual organizing

Virtual organizing

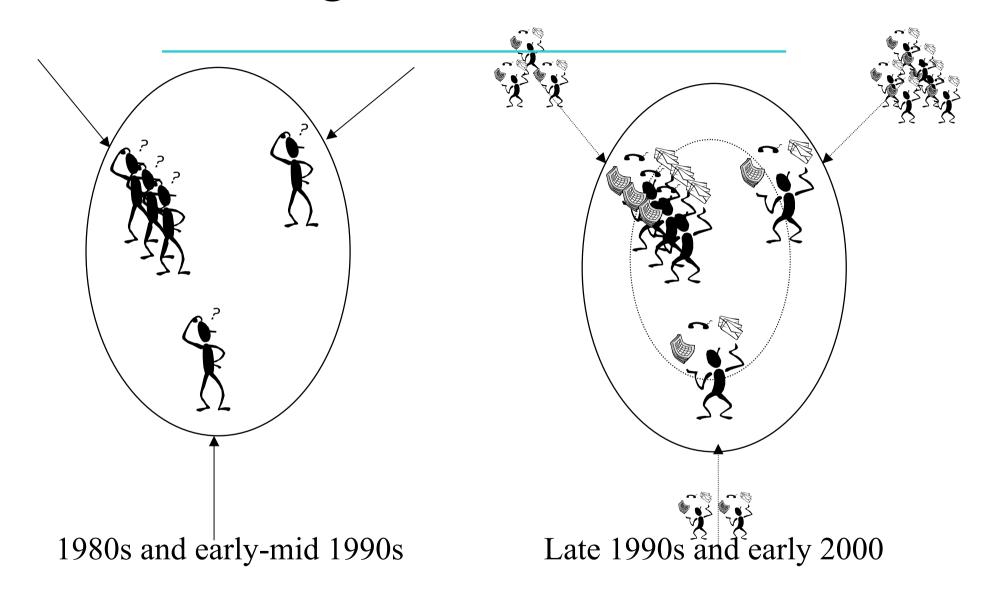
the virtual organizing of work processes enabled by digital, managerial and policy technologies.

the mobility at the level of the workers, the stock of data and files, the interaction with the front-end partners and the inter- and intraorganizational levels."

Virtual organizing

The mobile organization is a leader, not a follower, in the ongoing digital transformation in their organizing of the operational and strategic operations

IT managers interaction modes



Domain changes

• policy domain

 traditional mechanisms of governance are challenged to not operate by a business-asusual imperative

managerial domain

 managers challenged by the impacts and how to respond to the anticipated future changes.

• technological domain

• aid the transformation, the speed and the success criteria

Adaptation and exploitation strategies

supply rationality

rarely demand oriented rationality

Technology and application strategy

technology driven

 not addressing the scope and overall purpose using the Internet

Management of the digitalization

• in the hand of IT-related departments

• separated from the areas where the bulk of the expenditures are accumulated.

Classical government concern

- Managable
- Budget restriction
- Accessibility
- Accountability
- Transparency

areas of applications

• Case workers/ open mail lists/ doc.

teaching sector e-learning

• service delivery virtual face/ space/

• interaction push-services

collaboration

• decision-making distribute knowledge, management

• procurement XML, exchanges, malls etc.

Internet benefits

- Connectivity
- Reduced communication costs
- Lower transaction costs
- Reduced agency costs
- Interactivity, flexibility, and customerization
- Accelerated distribution of knowledge

Awareness towards

- services available,
- index,
- commercial profile,
- legal issues,
- financial issues,
- users interface (window dressing, animation, chat rooms),
- job opportunities, language etc

Infrastructure strategies

- Horizontal and vertical integration
- *Involvement* of general managers, middle managers, workers, citizens, customers and companies players and partners
- Content capability
- Digital divide

Infrastructure strategies

- Technologies primary enablers
- Structures, actors, and tasks more rigid
- WAP, PDAs and Web are frontrunners
- PC, realtime integration, intranet the solid base
- Innovation/ maintenance/ transfer

The current infrastructure challenges

- develop platforms that support productive and efficient collaboration and enable self-development, experimentation and innovative behavior
- counterbalance the need for managerial control and action with the privacy rights for the individual workers related to transactions and storage of their files
- outline strategies for having workers at home, satellite office, or the headquarter
- support knowledge creation, replication, adaptation, and utilization.