

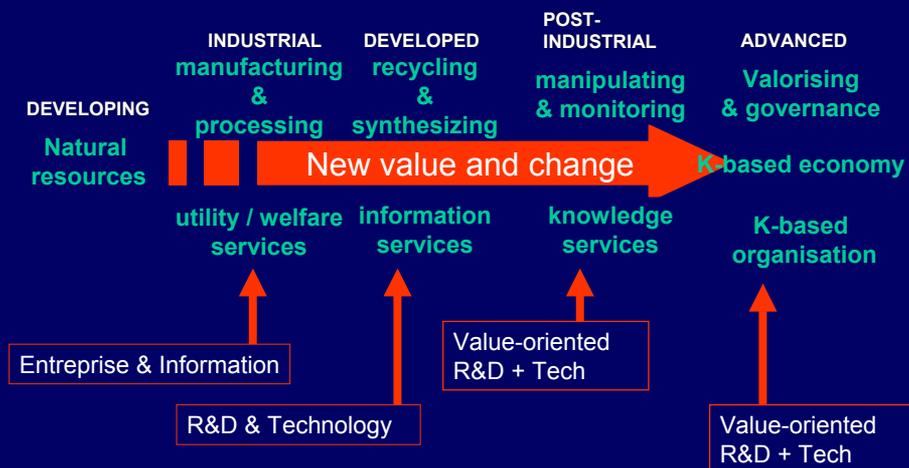
SMEs & EMs: The crossroad of R&D and ICTs

- ❑ Societies, ICT & Infrastructure in Europe
- ❑ SMEs in EU & In globalisation
- ❑ EMs
- ❑ Some Options for EU
- ❑ Key Issues

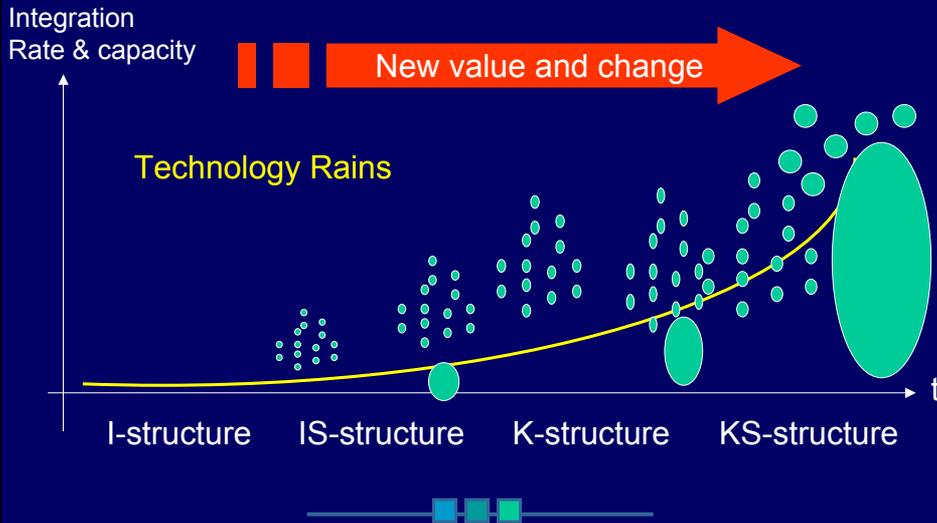
Dr. Anastase Adonis



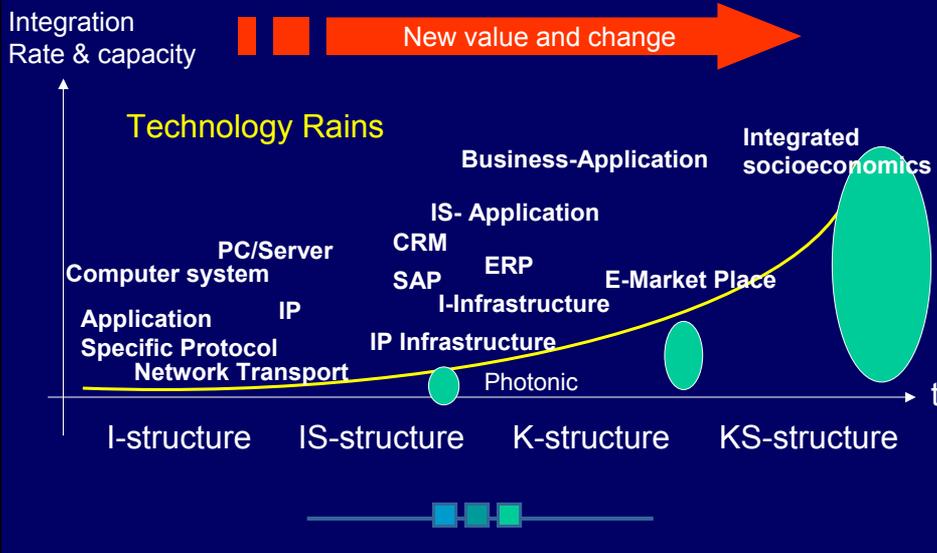
Societies, ICTS, Infrastructure



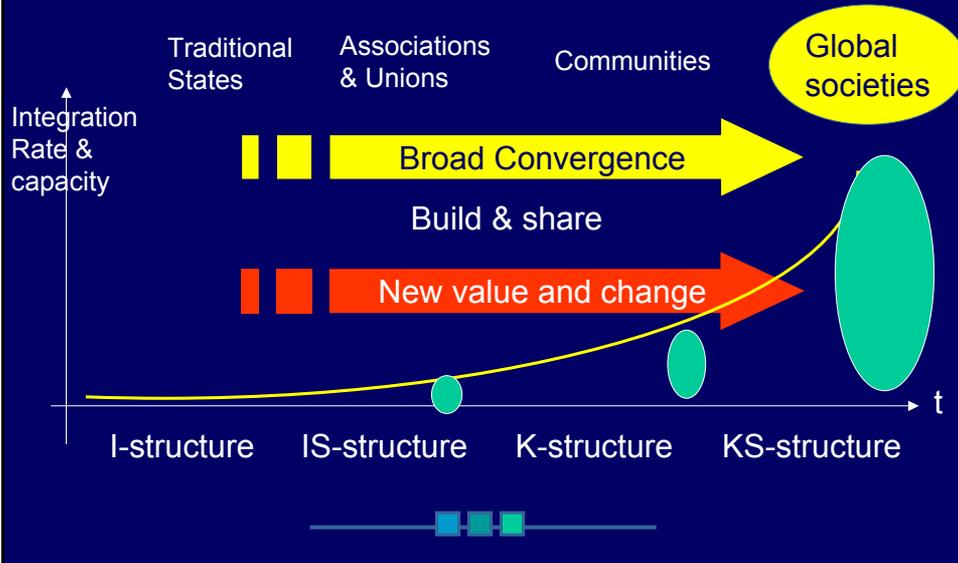
Societies, ICTS, Infrastructure



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SMEs in EU

Generic Profile :

< 10 p
> 97% of employment
< 400 KE annual

Exposed to precariousness / flexibility
Risks, continuous change and migration

R&D Profile :

< 5 p
> 57% of employment
< 250 KE annual

Risks, continuous change and migration
Strong dependencies
Pioneering and niche-ing

SMEs in globalisation

Status: Exposed to precariousness, Risks, continuous change and migration, central place in battlefields

Prons: Offer flexibility, interfacing capabilities (bumper...), easy and fast conversion capabilities, resistance to stationarity, etc.

Cons: Compose a very sensitive object of economic wars (acquisitions, technology transfer, mobility, acceleration technology, etc.)



Emerging Markets

Def: EM are transitional, in the process of moving from a closed to an open market economy while building accountability within the system

Characteristics: Risks, reforms, changing situation

Types: Volatile, dependent, accelerating, essential, fragmented, homogeneous, → **Competition:** Barriers to access, regulation, Best Practices,

Origins & dynamics: Depending on sectors,

Convergence : consensus & policies

Access: depending on characteristics and strategies



SMEs in R&D

- ❑ Develop own or not technology niche
- ❑ Select (survey), qualify (evaluate), select (compare), adapt (value and feasibility analysis), maintain (control)
- ❑ Take risky positions in a better controlled battlefield
- ❑ Show better adaptability to the technology accelerations
- ❑ Avoid wait and see positions



Options

- ❑ Use R&D as roadmapping and management tools
- ❑ Develop mechanisms for/against acceleration technologies
- ❑ Engage discovery research in areas where evolutionary research fail to find solutions for anticipating problems
- ❑ Integrate the Industry's motivation in the european r&d plans



Key Issues

- ❑ Use R&D as roadmapping and management tools
- ❑ Develop mechanisms for/against acceleration technologies
- ❑ Engage discovery research in areas where evolutionary research fail to find solutions for anticipating problems
- ❑ Integrate SMEs in the global r&d processes and strategies



Potential measures-1

- ❑ Use R&D as roadmapping and management tools
- ❑ Develop mechanisms for/against acceleration technologies
- ❑ Engage discovery research
- ❑ Create well conceived ICT incubators
- ❑ Improve capabilities on Software engineering
- ❑ Facilitate e-everything demand



Potential measures-2

- ❑ Promote advantages from IT online programmes
- ❑ Participation in large ICT projects and R&D programmes
- ❑ Support the commercialisation of emerging technologies
- ❑ Innovation Fund and access for Innovative SMEs
- ❑ R&D Taxation concession
- ❑ R&D Start Programme for non-developed r&d activities
- ❑ Commercial Ready Programme

