

Managing Global Software Projects

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Distributed projects

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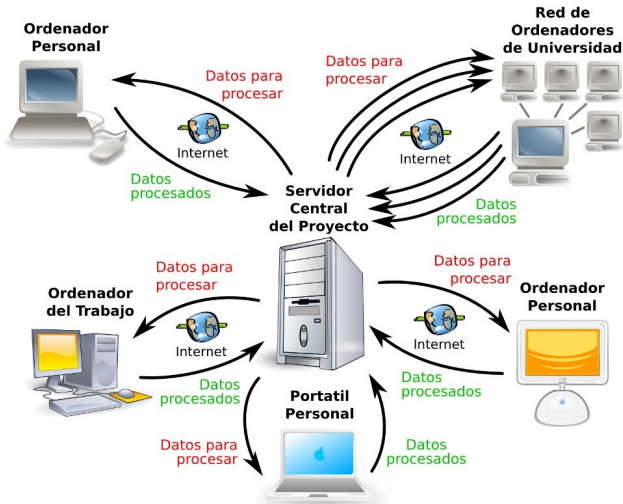


Figure: Distributed projects



Foundations

Reasons for outsourcing and offshoring

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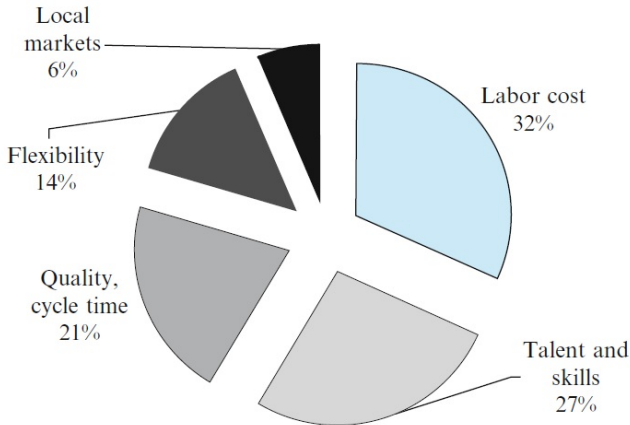


Figure: Reasons for outsourcing and offshoring

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Benefits and Challenges

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The challenges in global software can be summarized as follows:

- ▶ Lack of strategy and shared values.
- ▶ Insufficient communication.
- ▶ Dispersed work organization.
- ▶ Inadequate global management.
- ▶ Isolated learning.
- ▶ Insufficient contract management.
- ▶ Unknown legal environment.
- ▶ High employee turnover rate.

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Global Software Development

Model CMMI - Capability Maturity Model Integration

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NIVEL 5 - OPTIMIZADO

El Proceso se enfoca en la mejora constante.

NIVEL 4 - ADMINISTRADO

Proceso siempre medido y controlado

NIVEL 3 - DEFINIDO

Proceso conocido y bien entendido

NIVEL 2 - REPETIBLE

Pueden repetirse tareas
Previamente conocidas

NIVEL 1 - INICIAL

Resultados impredecibles y
pobremente controlados

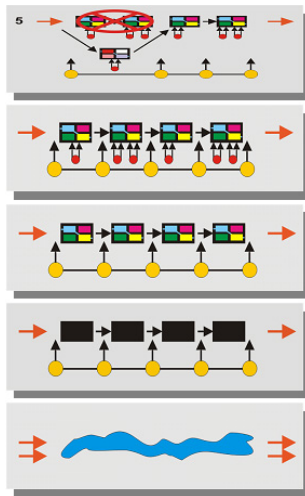


Figure: Model CMMI



Work Organization

Team work

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Figure: Team work



Risk Management

Risk Management in Global Software Projects

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- 4. Efficiency:** Speed to profit ahead of competitors.

Risk:

- ▶ Project delivery failures
- ▶ Insufficient quality

- 3. Flexibility:** Just-in-time organizational networks.

Risk:

- ▶ Poor supplier services
- ▶ Lock-in
- ▶ Distance and culture clashes



- 1. Presence:** Global growth strategy. Learn from new markets.

Risk:

- ▶ Instability with overly high change rates
- ▶ Inadequate IPR management

- 2. Talent:** Race for skilled people. Value creation happens where the skills are.

Risk:

- ▶ Staff turnover
- ▶ Insufficient competencies
- ▶ Wage and cost inflation

Figure: The top 10 global software risks and their underlying drivers

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Bugs, Comments and Suggestions

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► Any Question, Comment or Suggestion.

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In case you have comments, suggestions or questions, please do not hesitate to contact me. You can find my contact details below.

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Thank you!



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