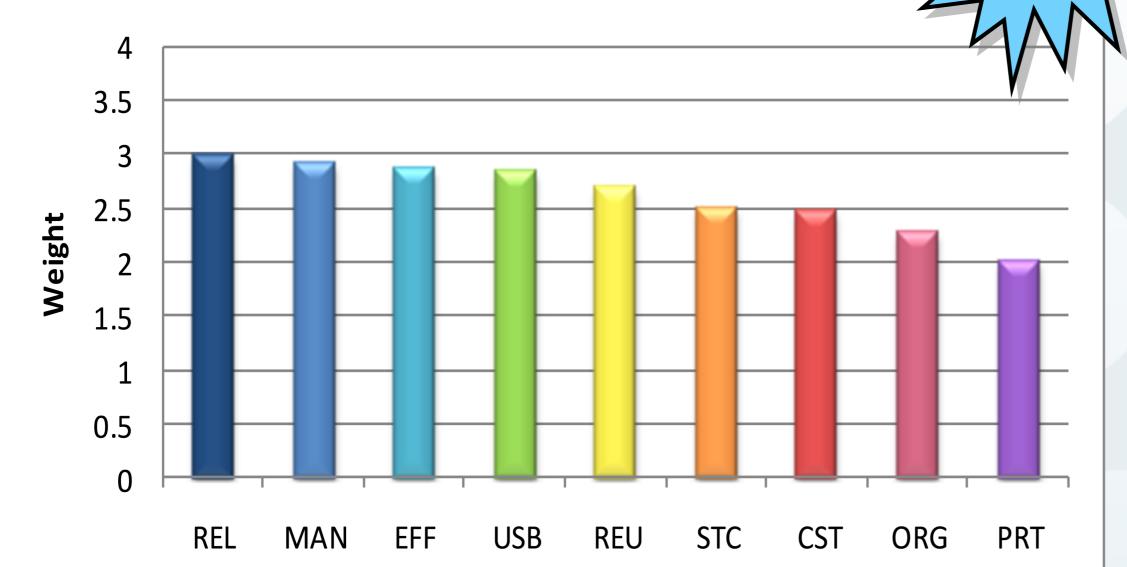
## How do Software Architects consider on-Functiona D

**NFRs** importance



**60** software architects answered the survey

a survey...

The most influential NFR is **Reliability** 

The least influential NFR is **Portability** 

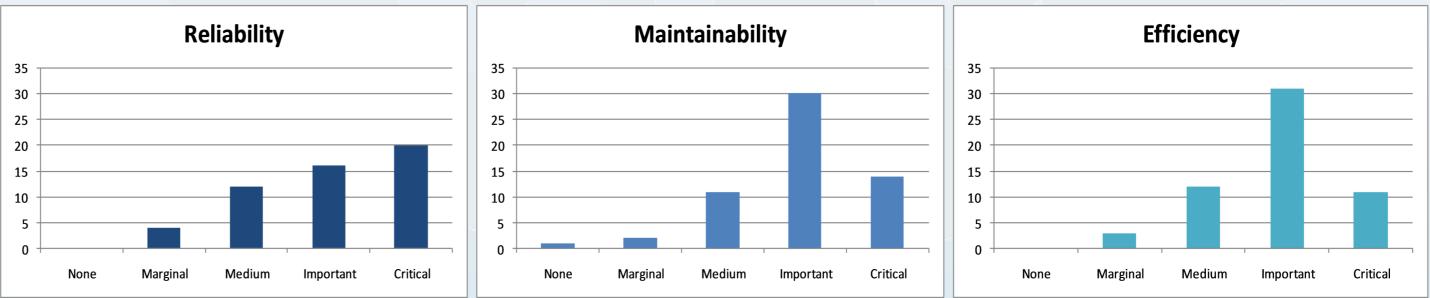
## Weighting formula

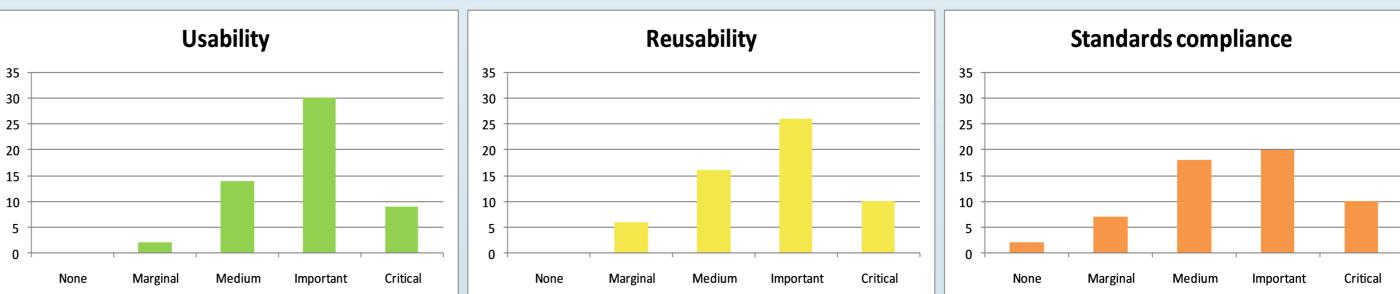
$Weight = \frac{\sum Answer}{\sum Answer}$	0 — None 2 — Medium	1 — Marginal 3 — Important
#Answer	4 — Critical	-

**Reliability** is the only NFR considered critical by a majority of respondents

**Organizational** and **Portability** NFRs where considered medium importance by a majority of respondents

Surprisingly **Cost** is not on top position for architects





Organizational

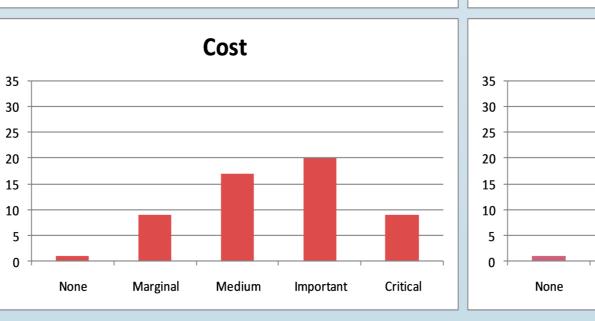
Medium

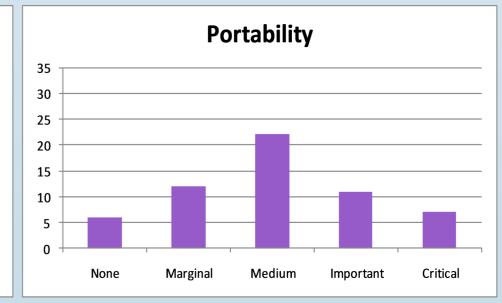
20

Critical

Important

Marginal





24

NFRs importance in software architectural styles:

35

25

20

15

10

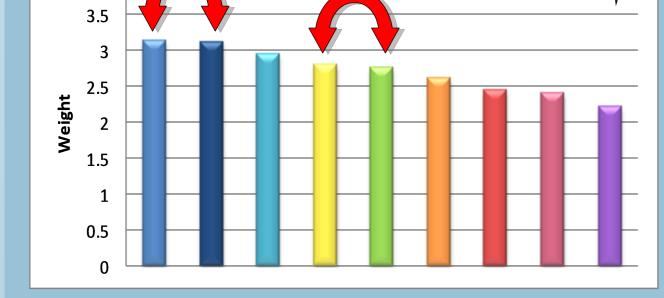
5 0

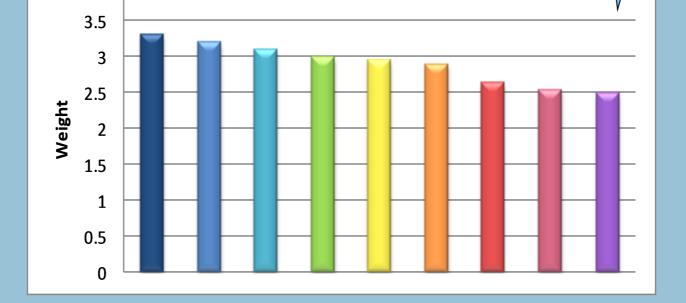
27

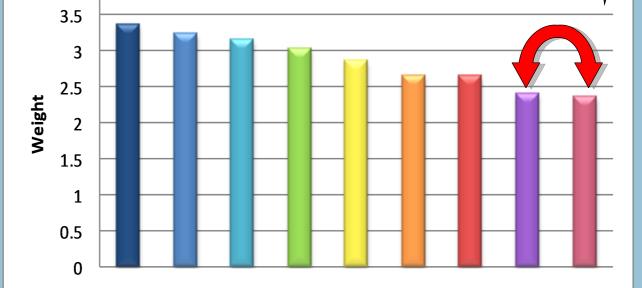
**3-Layer Architecture** 

**Service-Oriented Architecture** 

Model-View-Controler Architecture







In 3-Layer Architecture Maintainability is slightly more important than **Reliability** 

SOA and MVC architects gave higher importance to all requirements (about 0.5 points extra)

## **Technical profile:**

- Population: 60 respondents (>50% from Spain)
- Medium: Electronic Survey (Limesurvey)
- Begin/End: March 2009 October 2009

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