

IVOA Standards and the next AVO Demo

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AVO Technical Lead

IVOA Working Units

Ivoa Executive Committee
- Architecture Board

Working Groups

Data Access Layer

Data Modeling*

Meta Data (UCD):

- Steering Committee
- Technical Board

Registry*

Stds. & Processes

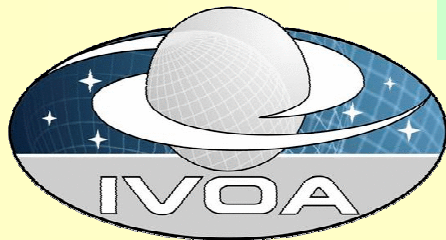
VO Query Language*

VOTable

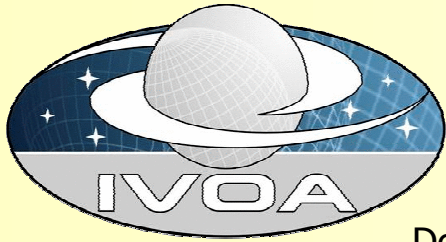
Web & Grid Service

Interest Groups

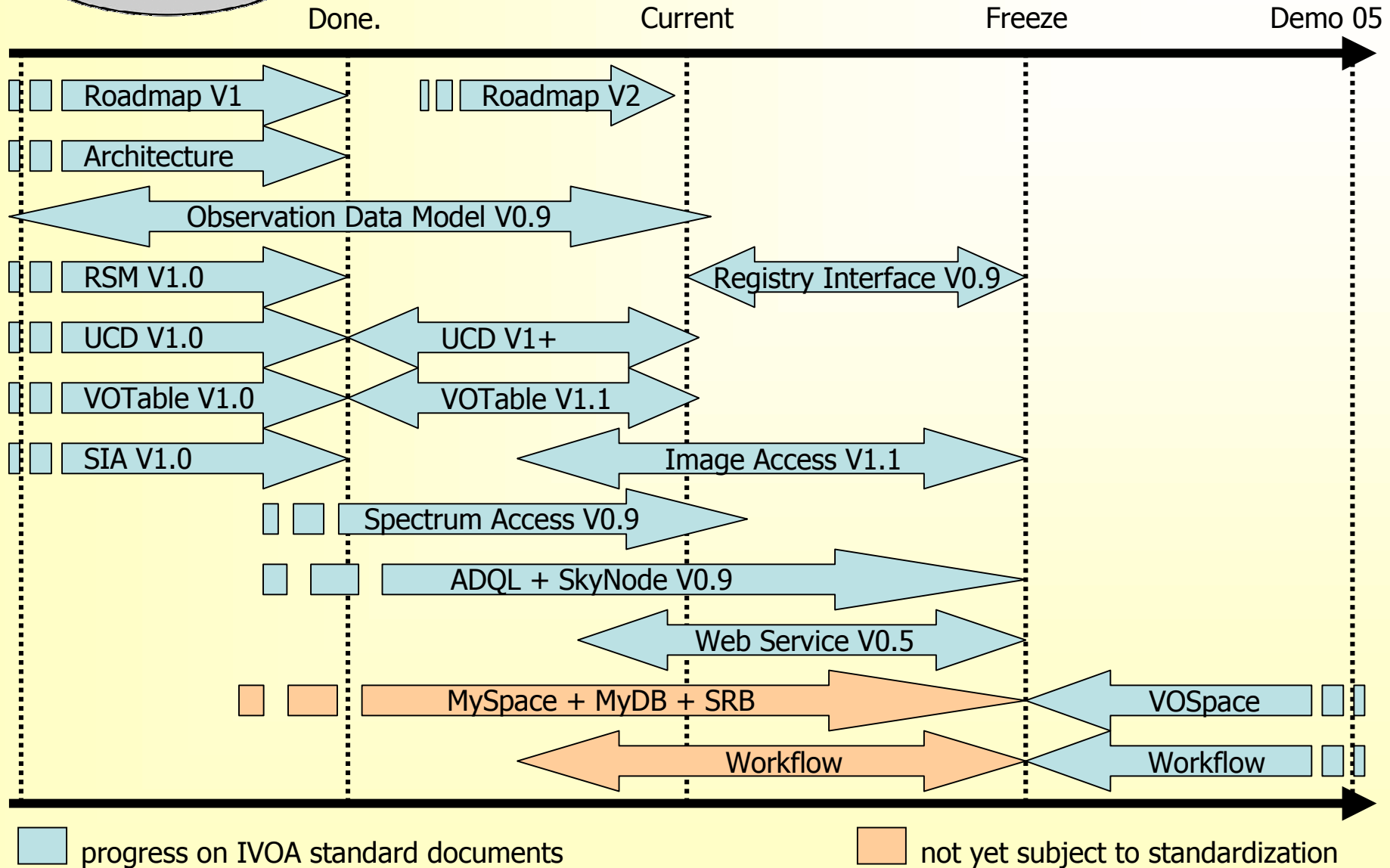
Applications - GGF Astro-RG - Theory



*critical for IVOA in 2004



Relevant Bits of Roadmap





Virtual Observatory Architecture

Discover Compute Publish Collaborate

Portals, User Interfaces, Tools

- VOPlot
- DIS
- SkyQuery
- Aladin
- Mirage
- Topcat
- conVOT
- OASIS

interfaces to data

Registry Services Data Services Compute Services

HTTP Services SOAP Services Grid Services
stateless, registered & self-describing & persistent, authenticated

Semantics (UCD)

OAI

ADS

Digital Library
Other registries
XML, DC, METS

SLAP, SSAP

OpenSkyQuery

VOTable

FITS, GIF, ...

visualization

crossmatch

image

data mining

source detection

Virtual Data

Workflow (pipelines)

Authentication & Authorization

Bulk Access

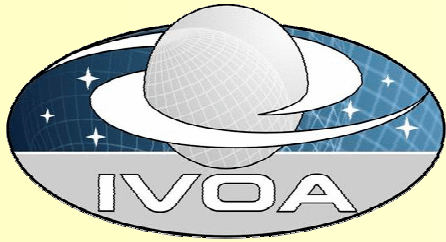
Existing Data Centers

My Space storage services

Grid Middleware
SRB, Globus, OGSA
SOAP, GridFTP

Databases, Persistency, Replication

Disks, Tapes, CPUs, Fiber



Where to find IVOA
Documents etc.

www.ivoa.net

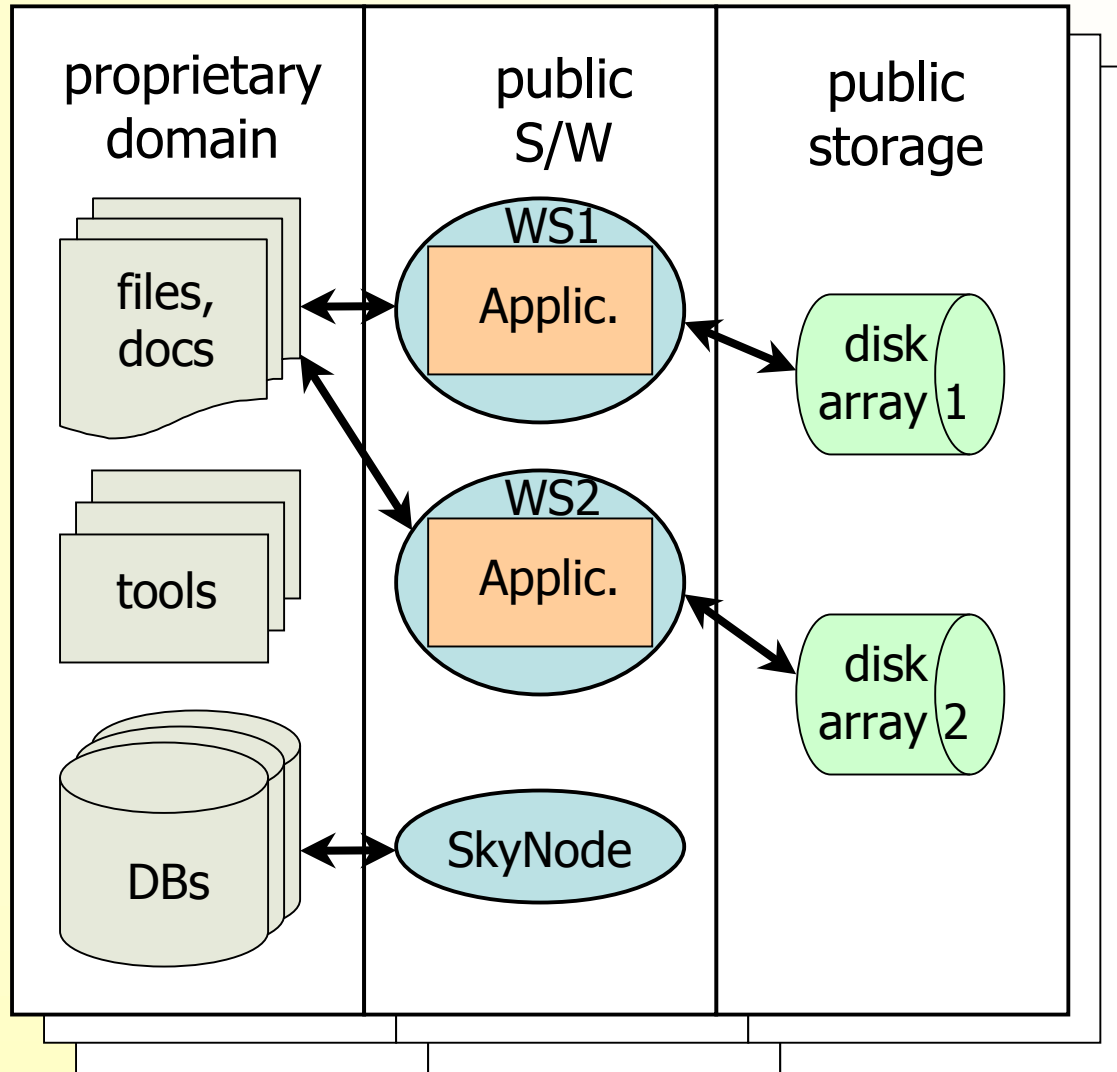
[/Documents/](#)

[/Events/](#)

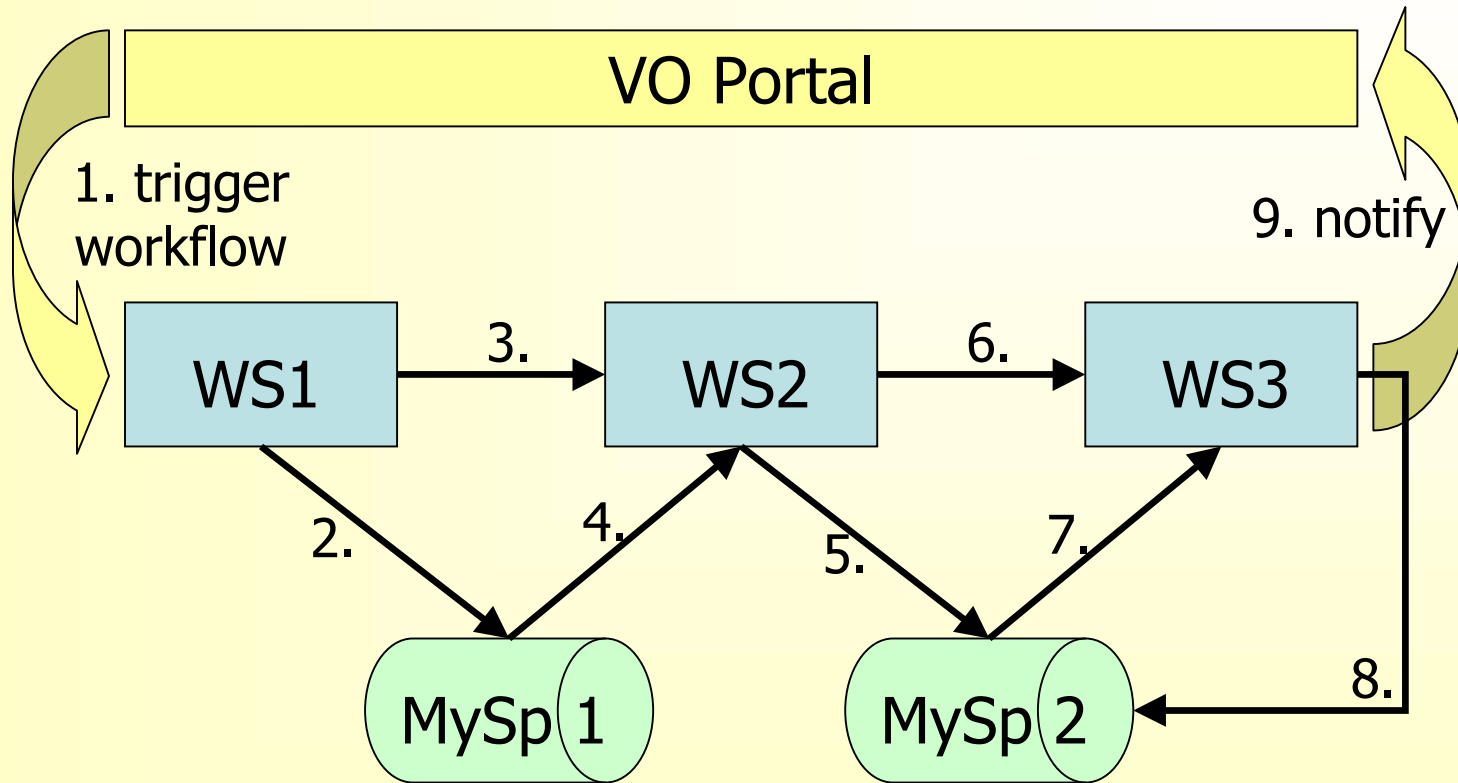
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Data Center Infrastructure



Workflow Scenario



Registry, JES, Author., Authen., Single Sign-On, ...

Resulting Tasks

- identify applications that should become services (cross matcher, SExtractor, HyperZ, ...)
- identify data collections suitable for SkyNodes (observation log, any tabular data like RDBMS, ...)
- identify spectral collections for SSA access (SEDs, 1d spectra, time series, ...)



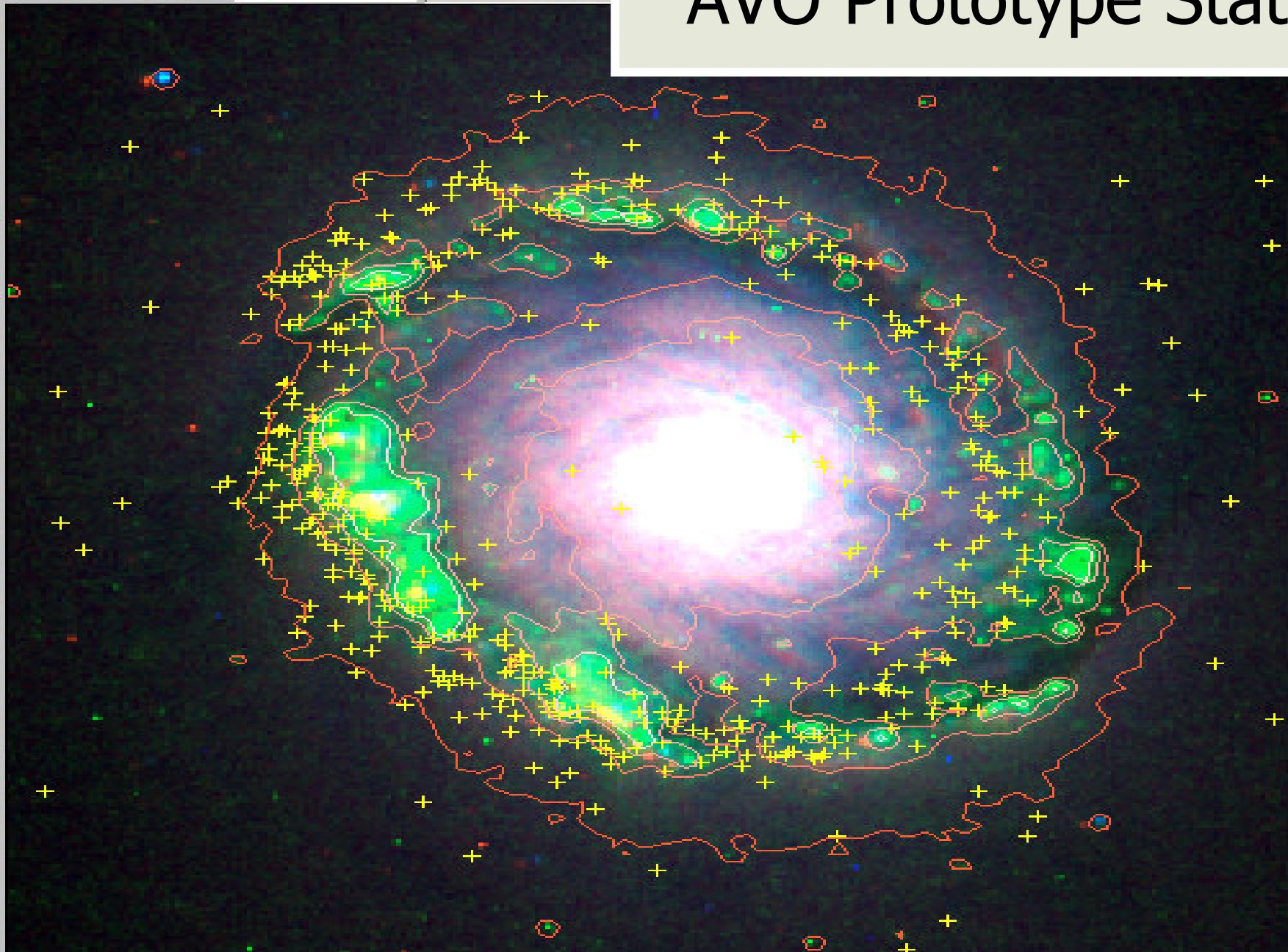
Load...

Save

J2000

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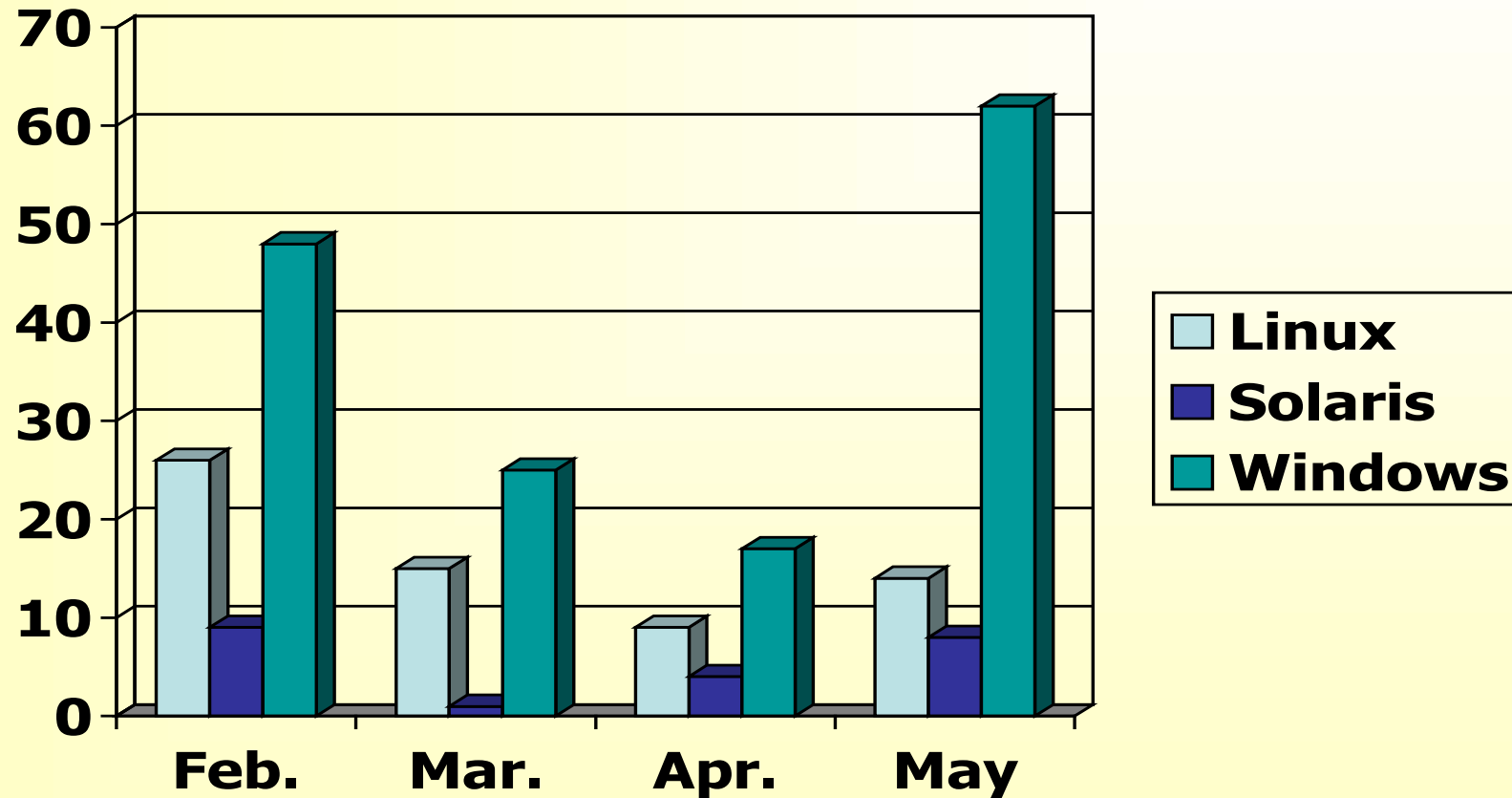
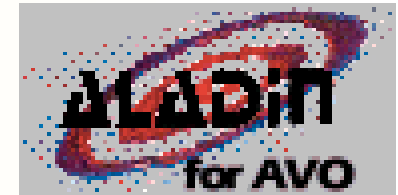
AVO Prototype Stats



- prop
- draw
- text
- tag
- dist
- filter
- rgb
- cont
- hist
- zoom
- mglass
- del
- pad

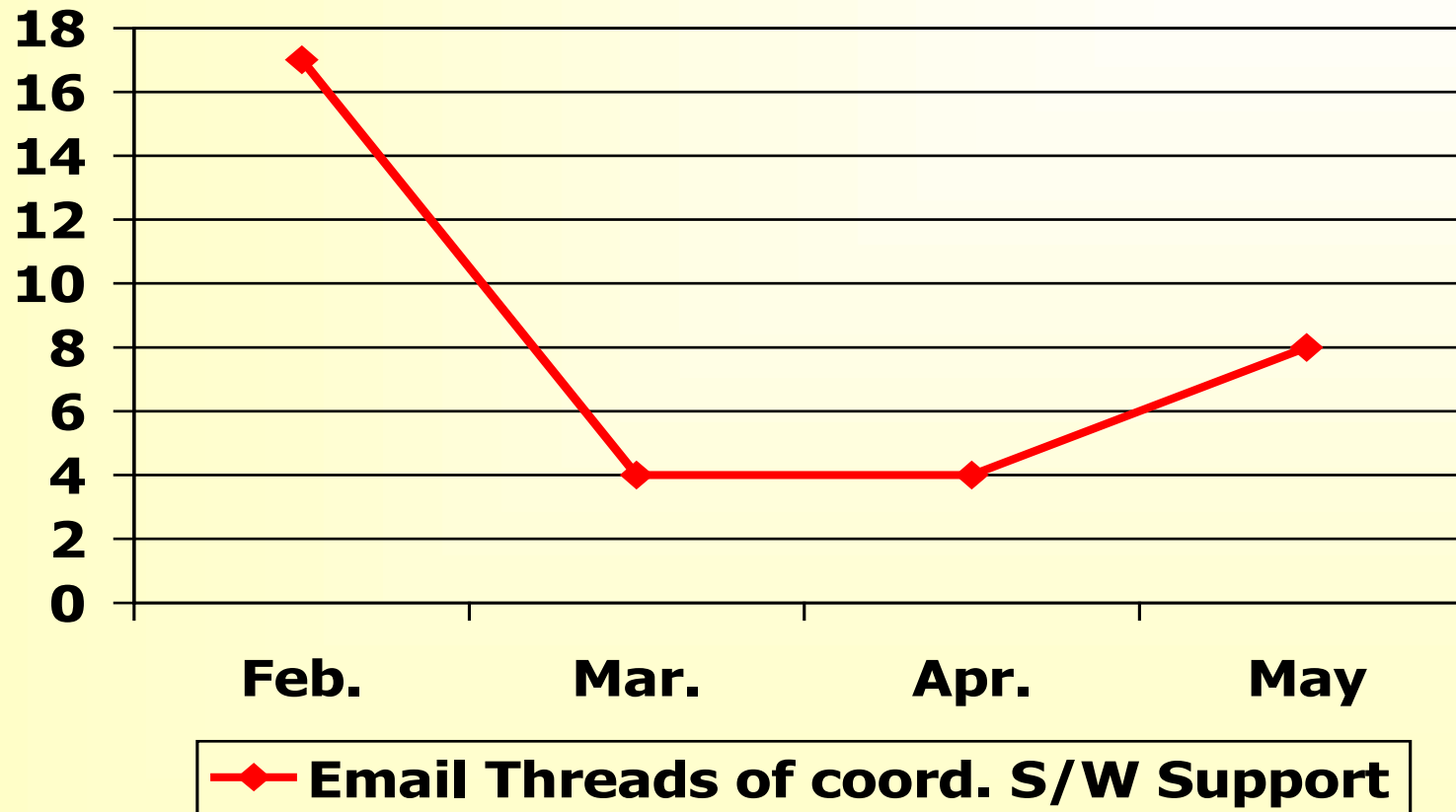
AVO Prototype Stats

Installations by Operating System



AVO Prototype Stats

User Support



AVO Prototype Stats

User Sessions

Visits to „Getting Started“ page

