CASSIDIAN

What is Language Technology in Our Time

José María Martínez Rodríguez

Ada-Europe 2012 - Stockholm

EADS Organization Structure

| Thomas Enders | EADS Chief Executive Officer (CEO) |

AIRBUS

EUROCOPTER

CASSIDIAN

Stefan Zoller   (CEO)

ASTRIUM

CASSIDIAN
AN EADS COMPANY

Avionics & Mission Air Systems - Embedded SW Department

Producer - Consumer

Ada Lang Tech

Java Lang Tech

C/C++ Lang Tech

Ur Fav. Lang Tech

CASSIDIAN
AN EADS COMPANY

Life Cycle

Standards / Procedures
SCS,SDS,SDP,SVCP,
SCMP, etc...

Managing

Modelling

Verifying / Testing

Requirements

Validation

Design

Integration

Generating

Coding

Implementing

Certification

CASSIDIAN
AN EADS COMPANY
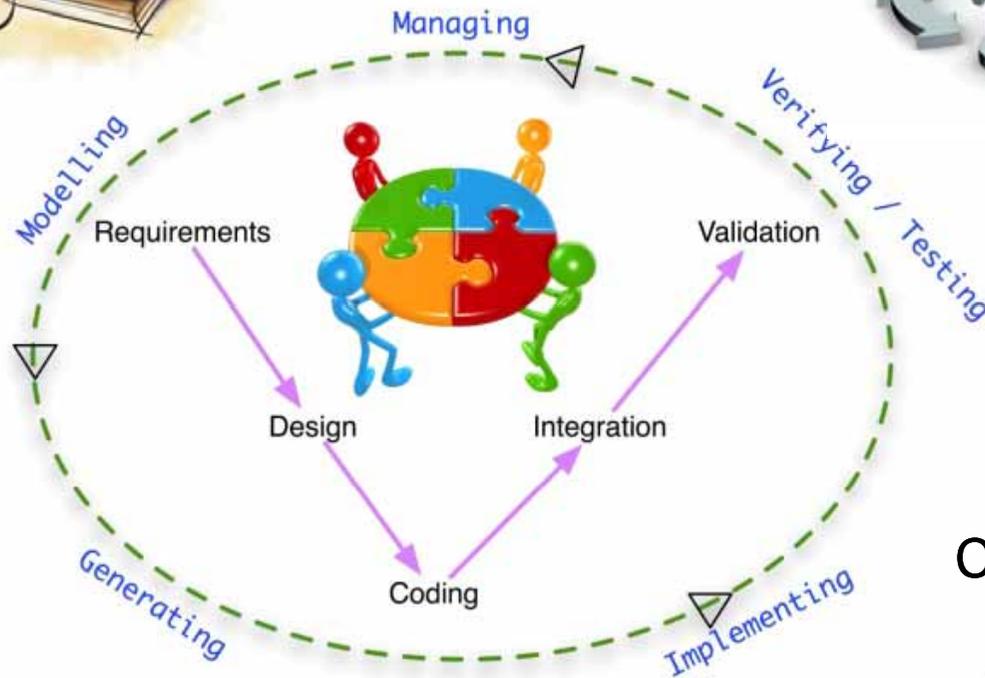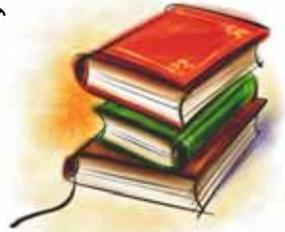
Which language technology for a new project?

Schedule

Tasks to be accomplished

Preferred Tools/Assets

Certification Restrictions

SW Trends

CASSIDIAN
AN EADS COMPANY

IS / IS NOT

- It is not a matter of:

  - Being technologically superior.

  - Having all known (or to be known) features.

  - Focusing on just the language per se (alone).

  - Always forking bleeding edge. (something mature now!).

- It is a matter of:

  - Focusing on different users / Appl. domains -> profiles

  - Plenty of ready-to-use libraries/patterns/tools/etc… with focus on profiles. (i.e a reduced library with all verification set ready)

  - Spreading user base

  - Mature already known solutions.

CASSIDIAN
AN EADS COMPANY

What do we **really** want from lang. tech.?


```
procedure Do_It is
begin
    ......
end Do_It;
```

Thank you for your attention!

José María Martínez Rodríguez

CASSIDIAN
AN EADS COMPANY