Gregory Kotsikaris
Chairman BoD

gregkots@iknowhow.com

intelligent

We Solve Hard Problems

Digital Government

Industrial Internet

Digital Health

And This is How We Do It

Software Engineering

Data-Driven Intelligence

Systems Architecture & Analysis

Machine Design & Control

Data Acquisition & Communication

70 +
>€10 m

Implementation of the Greek CRIS

How did we get there?

Presented by:

Gregory Kotsikaris,

Chairman of the Board, **Iknowhow S.A.**

data concerning research activity

from **institutions** and **researchers**

ΕΚΤ
ΕΘΝΙΚΟ ΚΕΝΤΡΟ
ΤΕΚΜΗΡΙΩΣΗΣ
NATIONAL
DOCUMENTATION
CENTRE

IKH

CRISP

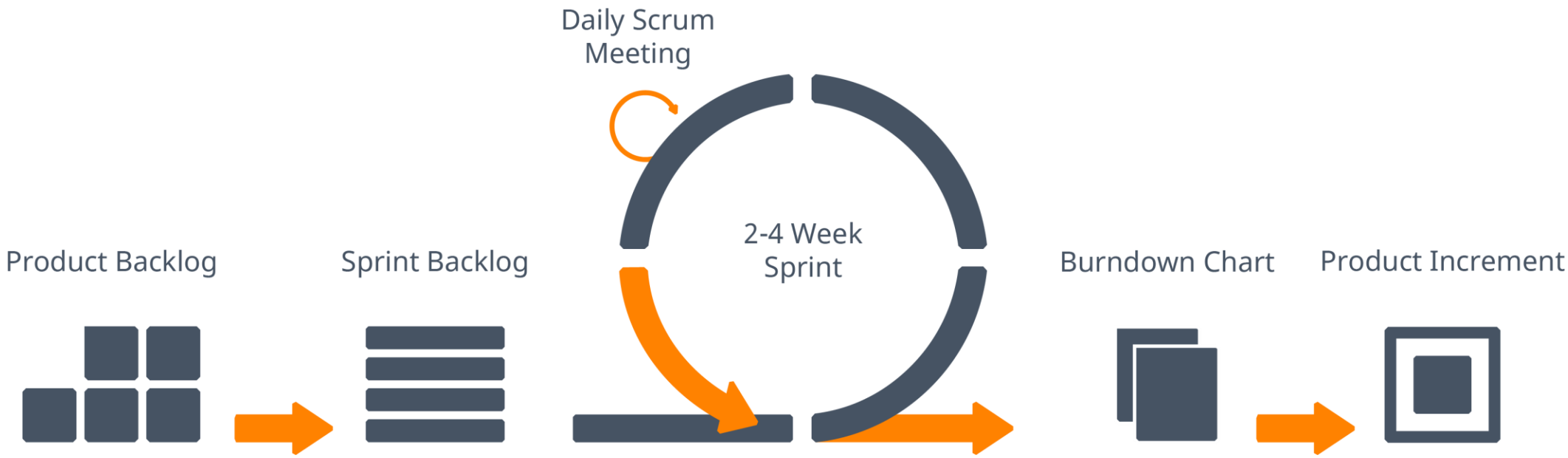
Current Research Information Systems

agile

to scrum it

Scrum Methodology

An Agile framework for completing complex projects



Scrum Roles

Product Owner: Responsible for what goes into the product backlog and prioritizes it.

Scrum Master: A team facilitator. Ensures teams have what they need to get the job done. Also, sets up meetings and monitors everything.

Developers & Testers: They write code and make sure it does what it's supposed to do.

Artifacts

Product Backlog: Contains a whish list of all the User Stories of a product.

Sprint Backlogs: A list of tasks identified by the Scrum team to be completed during the Scrum sprint.

Sprint: An iteration of work during which an increment of product functionality is implemented. By the book, an iteration lasts 30 days.

Daily Scrum Meeting: A strictly 15-minutes meeting that helps set the context for the coming day's work.

Burndown Chart: The progress of the team is monitored using a Burndown Chart.

Product Increment: The sum of all the Product Backlog items completed during a Sprint and the value of the increments of all previous Sprints.

EKT
Educating iknowhow teams, CRIS, CERIF, …

IKH
Setup system model & architecture, develop, deploy

01
Demands &
Specifications
EKT
02
Analysis &
Implementation
IKH
03
Control &
Remarks
EKT
04
Adjustments &
Fine tuning
IKH

Pilot Mode

National Hellenic Research Foundation

University of Patras

University of Macedonia

elasticsearch

spring

open source

Java

Activiti

IKH

Already developed by EKT and incorporated in CRIS kernel

- **CERIF Model.** All CERIF entities as POJOs. 100% compliant to the latest CERIF version. Java based (Hibernate, JPA, Spring).

- **CERIF Services.** JPA data repositories for all entities. Common persistence and selection services

Most Sensitive & Time Consuming Parts

- **Web forms**: Complicated structure, Full functionality & Validations Controls
- **Import XML**: Detailed control scenarios, Control all CERIF entities
- **Configurations /Parameterization**: For all properties
- **Tests & Fine tuning**

bite
Awards
Business I.T. Excellence
2015
ΚΟΡΥΦΑΙΟ ΒΡΑΒΕΙΟ
EKT - Iknowhow
Ανάπτυξη πλατφόρμας λογισμικού για Πληροφοριακά Συστήματα Ερευνητικών Δραστηριοτήτων (CRIS)
Έργα Πληροφορικής Μεγάλης Εμβέλειας

Implementation of the Greek CRIS

and how can this redefine the way Industry perceives Universities & Research Institutes

Presented by:

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Ideas

without

execution

are

a **hobby**…

Executing

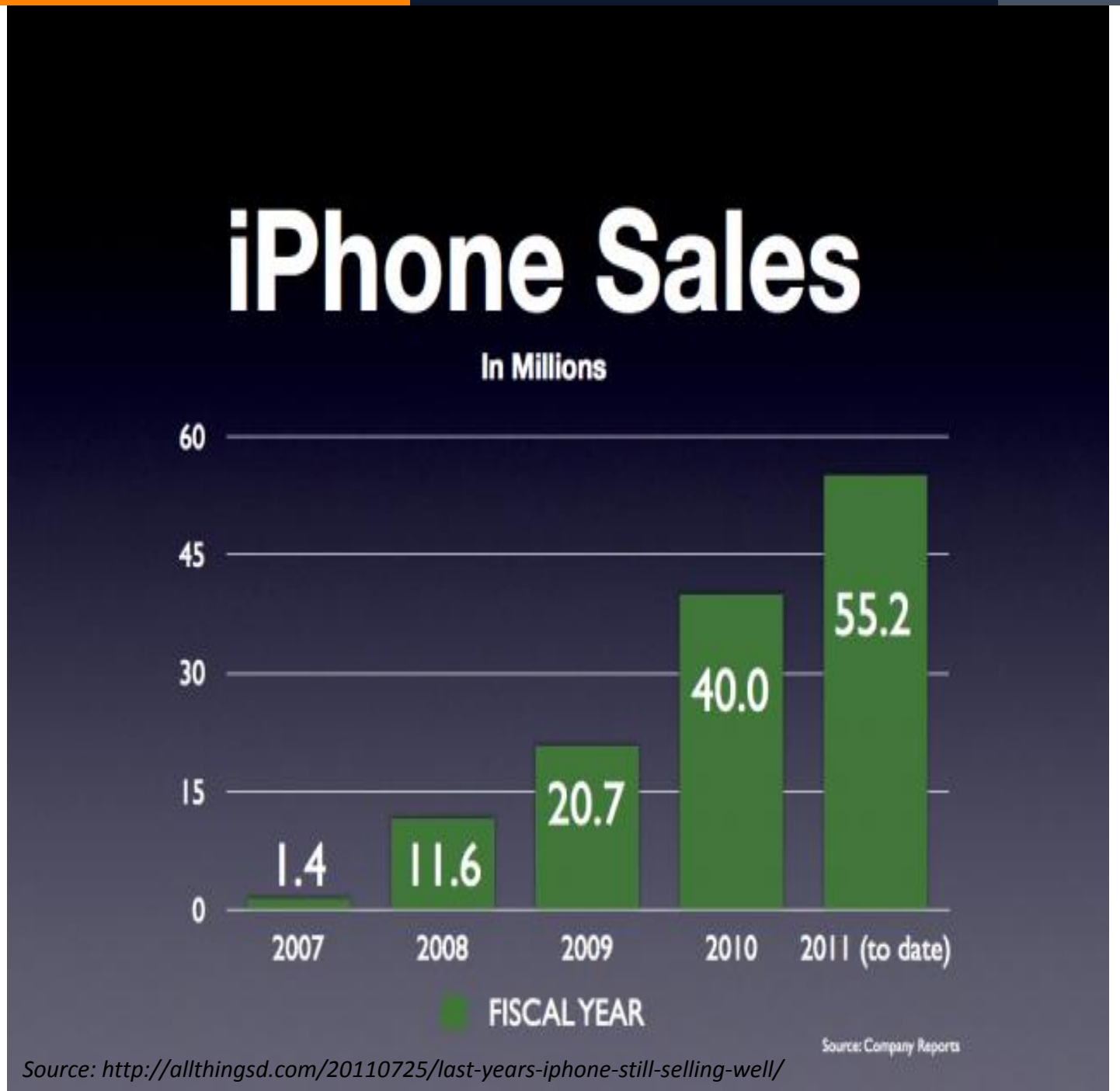
ideas

without

profit is a

good **start** …

Steve Job's Garage
2066 Crist Drive,
Los Altos, California



Source: http://allthingsd.com/20110725/last-years-iphone-still-selling-well/

Ideas

+

Execution

+

Profit

=

Innovation

Things to consider…

Research Institutes, Universities & SMEs

- Reconsider this affair…!

Innovation definition…

Entrepreneurs:

*"Innovation is **anything that makes money** [...] made in every level and in every department"*

Research Institutes & Universities:

*"Innovation is **the quantic step** […] performed only by universities, research centers and large firms"*

Policy Makers:

*"Innovation is **dream and risk**, deriving from an excess of knowledge during research process"*

Transforming

a research **result**

into a **commercial** product is HARD….

….Well **it was** actually more like **this**...

That’s **how** we see **universities** now…

That’s how we should see them…

CRIS is like a chocolate box to the **Industry** & **Investors**

SMEs need universities
Universities need SME’s

The question is…

Do we both know **WHAT** we **need** and **WHAT** we **offer**?

Let’s **introduce each other again…through CRIS**

How can we change perceptions?

LANDSCAPEHDWALLS.COM

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