IN PARTNERSHIP WITH Oxford University Innovation

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Introduction

Oxford Sustainable Development Enterprise (OSDE) and European Mediterranean University RC (EMU) Incubator and Startups through AI is composed of:

• Mediterranean University RC -(Italy)- Weitz Center (Israel), United Kingdom National Computing Center (UK), Media & Event Management Oxford (MEMO) (UK) and the UK Oxford University Innovation, and Imperial College

• Specialists in EU2020 strategy, Smart Cloud & Predictive Analytics, smart city, Sustainable development processes

• Integrating performance management and
Customers and Services

- sustainable development
- Incubators
- Innovative Startups
- business intelligence
- Predictive analytics
- planning & forecasting
- systems architecture & integration
Smart City Concept

Creating a sustainable smart integrated community data driven...
Real Time Smart Cloud Services

Regional energy management in cooperation with main grid

Nuclear power | Thermal power | Hydro power | Wind power | Mega-solar

EMS
Central power supply control center

CEMS
Regional energy management

CEMS

CEMS

CEMS

FEMS

BEMS

BEMS

BEMS

BEMS

HEMS

PV and storage batteries support regional flexibility

Large capacity storage battery

Stable renewable energy lowers energy costs
Better response to demand increases efficiency
Disaster-prevention Cloud services

Real Time assessment and regional cooperation to minimize loss and damage.
Europe IT & Smart Cloud Direction

• Towards a cloud computing strategy for Europe: Matching supply and demand

• The Future of Cloud Computing (Europe)

• Setting up the European Cloud Partnership

• European Commission seeks advice on cloud computing - Bring in €35 billion in Revenue
  - http://www.hays.co.uk/features/HAYS_485740
Though BIG DATA AND AI

- Smart Integrated Development (ID)
- Smart Local Economic Development,
- Smart Strategic Specialisation Planning and Implementation (S3)
- Municipal Planning and Services Delivery Systems
- Rehabilitation projects and Urban development
- Local and regional Competitiveness
- Smart Strategies for poverty reduction
- Project Identification and Formulation
- Big Data strategy development and drive deployment of an effective Governance Framework
Innovation & Competitiveness

- Predictive Analytics Platform Cloud Based
- Cloud Computing and Big Society
- Institution Governance
- Renewable Energy
- Energy & Climate Change
- Natural Disaster Prevention
- Enterprise & Innovation
- Ecosystem Interconnectivity Using ICT
- Smart City
- Research in Green Grow
Rehovot 2010

Innovation in rural-urban green governance & policy

The Need:
- Developing and changing market
- Strategic focus on integrated monitoring and governance
- On-board computing captures critical collection information
- Sustainable development methodologies

The Solution:
OSDE, Weitz and IBM assisted in the implementation of a solution that delivers a comprehensive, integrated computerised information system

The benefits:
- Integrated information, systems and processes
- Computerised monitoring and evaluation systems
- Enables integrated Urban and Rural governance
- Used in other developing countries
- Green growth that target simultaneously economic performance & environmental sustainability.

Solution components:
- IBM® Cognos® Business Intelligence
- Business Partner OECD
- Weitz Methodology
Project Experience

• 2009 - Design and implement an **IT system** for managing the **intra-ACP policy-programmes-project**. At the EU-secretariat - Bruxelles, Intra-ACP Project Portofolio Monitoring System

• 2010 Design and implement **Real Time Monitoring and Evaluation (M&E) Information System** for the Ministry of Agriculture Turkey. EU IPARD PROGRAMME
Project Experience

- 2012 - OSDE In collaboration with Finmecanica -Telespazio -ITALY /UK (E-Regsat) develop an **On-Demand Intelligent Shared Multi-Tenant Cloud platform** for the implementation of 2020 EU Strategy

- 2012 -**Intelligent Multi Sector Data Integration /Process /Technology /People /Policy using BI Cloud Computing** - Oxford Sustainable Development /Imperial College. Data Capability to educating users to use data as a strategic asset by integrating of data across multiple sectors, organisations, people, processes (policy) and technology. The model integrated all aspects of the data life-cycle: strategy, data quality, assessment, data design, data process, data strategy, users, implementation and review in a single view.
About IBM, Business Analytics and Optimization

IBM Cognos $1.2bn #1 in an $8bn BA market

Over $11B in IM acquisitions since 2006

Over 10,000 technical professionals

Largest Math Department in Private Industry

Over 2,300 new Business Partners since 2006

“Since 2006, IBM has deliberately & doggedly constructed an unparalleled portfolio… it's difficult to see how any competitors will be able to compete anytime soon…”
Many Organizations are Operating with Blind Spots; Those Applying Information & Analytics are Breaking Away

1 in 3
Business leaders frequently make decisions based on information they don’t trust, or don’t have

1 in 2
Business leaders say they don’t have access to the information they need to do their jobs

Top Performers Demonstrate Expertise

15X

Predict and prepare for the future by evaluating trade-offs proactively

Source: IBM: Break Away with Business Analytics and Optimization Study
The Business Intelligence Journey

Phase 1
• Internal Reporting
• Management information
• Project Reports

Phase 2
• New Client Service
• Automated information
• Self Service
• Dashboards

Next Phase
• Management by Exception
• BI for External Network
• Shared Insight
• Collaboration and Knowledge sharing
• Monitoring of external Sources
• Geo awareness
• Predictive Analytics
## Information Solution

| Smart Predictive Analytics Cloud Based Platform for BIG Data | Market leading SmartCloud and Reporting capabilities;  
| | • Plan, review and Monitor on the Web  
| | • Author pixel perfect reports, charts and dashboards  
| | • Client, cloud reporting  
| | • Reports that can be run in any language and output in many formats  
| | • Self service reporting  
| | • Rich visualisations including charts, geographical and spatial  
| | • Scalable, flexible, industrial strength reporting  

| Reporting Application | EU & Regulatory Reporting, Project Monitoring and Planning, Slice and Dice, Drill Down, Dynamic Planning and Analysis  
| | Analysis of Information > Drill to View > Drill to Detail  
| | Monitoring of Performance > Internal > External Suppliers  
| | Management Information > Portable Dashboards  

| Web Application | Dynamic, Available, Connected, Easy to use  

| Server or Cloud | Runs on standard infrastructure – e.g. 4 Core, 500GB, 12GB RAM  

| Training & Support | Customised training and support  

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**OXFORD SUSTAINABLE DEVELOPMENT ENTERPRISE (EIEG)**
2014 on going

A-Development DataCube and Startups in Data Engineering Geoscience Strategy:

https://www.youtube.com/watch?v=CNjhROjAstE&t=2833s
B-Climate Weather Data Cube Service: This service lets you integrate weather data from The Weather Company into your IBM Bluemix application. The service will let retrieve climate weather data for an area specified by a geolocation. The data allows you to create applications that solve real business problems where Climate weather has a significant impact on the outcome.

C-Master degree in Data Geoscience and Bigdata Analytics Framework
Oxford Sustainable Development Enterprise (EEIG) & In Partnership with Oxford Innovation University

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