

KW Foundation Publishing  
Collaborative Tools for Sustainability Health Management

# KWCluster<sup>®</sup>

**First Collaborative Bioinformatics Cluster for  
Health Apps, Training and Interoperability  
Platforms**

***A new set of cloud products and services for health managers  
A new proposal for software developers and contents providers***

Global launch: 11/15/2011



2011

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## **First KW Driven Software For Sustainability Health Management**



KW Project®

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**What is the next step for the sustainability of health management?**

**Knowledge-centric systems for project-oriented organizations.**

**What is the relationship between technology and content for the success?**

**80% Reusable Content for Middleware.  
20% Technology.**

**Is app's layer 7 the key to full interoperability?**

**No. The capacity of the layer 7 depends on the 6 previous layers.**

**Reusable knowledge for applications can be developed in a collaborative way?**

**Yes. For the first time there are tools for building reusable knowledge clusters for applications. In the cloud or hybrid architecture (PaaS and SaaS).**

**What are the objects that can build and share?**

**Processes and guidelines, tasks for workflow, forms, quality indicators, filters and prototypes for data mining, data warehouse, balanced scorecard and advanced reporting, keywords, vocabulary, medical records, authorizations, billing, training, etc.**



## What are the benefits in the medium and long term for organizations if they use knowledge-based systems?

- Increased life expectancy of patients.
- 40% savings on administrative tasks.
- 100% improvement in the quality of prescribing.
- 20% savings in production to avoid duplicates.
- 100% improvement in quality-responsibility of human resources.
- 80% savings in development and computer support.
- 80% savings in consumption of computers and data centers.
- 50% decrease in emergency and urgent consultations.
- 100% improvement in the perception of patients.
- 40% of patient transport optimization.
- 100% savings in building control panels.
- Update guaranteed without programming.
- 100% improvement in visibility and maintenance of human resources and infrastructure.
- Create content department and guidance to projects.
- 200% facilitation of continuous quality improvement.
- And more ...

## What are the main directives of this scenario?

- 5GL development of bioinformatics models ([www.kwfoundation.org](http://www.kwfoundation.org)).
- Project Management Institute ([www.pmi.org](http://www.pmi.org)).
- Unified Medical Language System ([www.nlm.nih.gov](http://www.nlm.nih.gov)).
- HL7 International ([www.hl7.org](http://www.hl7.org)).
- US Sustainability Performance Plan ([www.performance.gov](http://www.performance.gov)).





## KW Cluster®



### Components

<b>KW Database®</b> Cloud Knowledge Repository	<b>KW Taquion Knowledge Database®</b> Common repository for collaborative KW Driven Databases.
<b>KW Builder®</b> Collaborative Knowledge Builder for Cloud and Hybrid Platforms	<b>KW Cloud Studio®</b> Collaborative search and learning resources in the cloud and/or knowledge assets.
	<b>KW eLearning Point®</b> Collaborative multimedia library construction and courses on demand.
	<b>KW Terminology Server Administration®</b> Collaborative construction and maintenance of a terminology server.
	<b>KW Organization Module®</b> Collaborative construction and maintenance of all common objects for interoperability between organizations.
	<b>KW Filters and Prototypes®</b> Collaborative construction and maintenance of filters and prototypes for data mining, datawarehouse, olap and balanced scorecards.
<b>KW Interpreter®</b> Collaborative Production Modules	<b>KW Health Management®</b> Collaborative tools for interoperability data and resources management.
<b>KW Training®</b> KW Virtual Campus (KW Academy®)	<b>KW Concepts and Driven Databases</b> 10 hours
	<b>Basic Operation of Bioinformatics Systems</b> 40 hours



	<b>Advanced Operation of Bioinformatics Systems</b> 80 hours
	<b>4GL and 5GL Development of Bioinformatics Systems</b> 120 hours
<b>KW KIP®</b> KW Knowledge Interchange Platform	<b>KW KIP® for Health Organizations</b>
	<b>KW KIP® for Contents Providers</b>
	<b>KW KIP® for Software Developers</b>
	<b>KW KIP® for Students and Freelancers.</b>
	<b>KW KIP® for Drugs and Supplies Providers.</b>

Collaborative development of knowledge is much more than innovation.

Now is possible to enhance the organization's assets betting on interoperability and continuous improvement.

In 30 years, TNG has developed concepts, tools and services to achieve sustainability and growth.

Is the sky the limit?. It is not.

**Our sites:**

[www.tngconsultores.com](http://www.tngconsultores.com)

[www.kwfoundation.org](http://www.kwfoundation.org)

[www.taquion.net](http://www.taquion.net)

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