



THE KNOWLEDGE PARADIGME



A MOON BASE KNOWLEDGE & IMAGINATION PORTAL



Geoknowledge Foundation

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The Moon is not only a subject of Knowledge but also part of our imagination, fantasy and dreams.

The best representation model in which science and imagination are combined is a Portal:

**A MOON BASE
KNOWLEDGE & IMAGINATION PORTAL**



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**MOON BASE Knowledge & Imagination portal.
Artistic view**



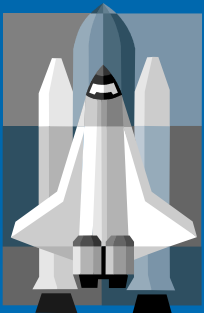


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“Portal of Portals”

result of an International Cooperative Program
Involving:



International and
National Space
Agencies



Universities



Scientific
Institutes
And
Research
Centres



Private
Companies
operating
in space and
related sectors



Cultural
Associations
and
Foundations



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The Knowledge Sharing Process will be based on

“ Formal Ontology ”

discipline in order to take into account different
cultural aspects of persons and their heritage





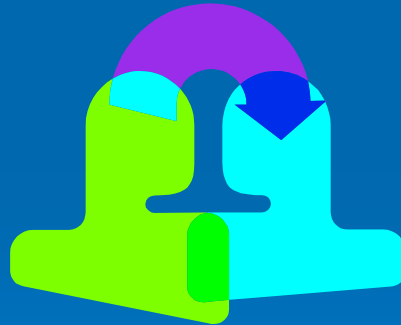
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By Formal Ontology may be developed information and educational tools able to address different targets in order:



To support an Inspiration Program with extensive Use of advanced e-learning techniques



To obtain consensus of public opinion by media



To obtain support of all stakeholders (government, Science, universities, taxpayers)



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The Contents Web Portal

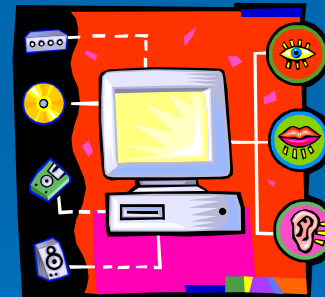
The Portal will be structured in four major areas:



Scientific
Knowledge



System and
Engineering
Activities



Enabling
Technologies
And
Applications



Institutional
Legal and
Economic
Framework



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MOON BASE Knowledge & imagination portal.
Contents artistic view



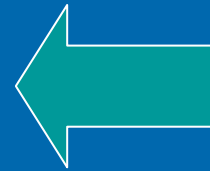


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The Information Systems consists
of three component:

- Application programs
- Information resources
- Users Interface



**Ontology
Impact**

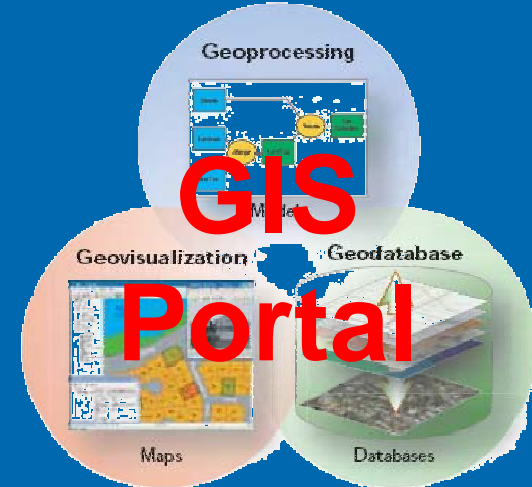
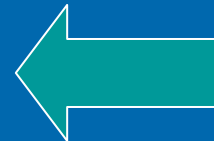


Two orthogonal Dimensions:

- Temporal
- Structural



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“Geographic Knowledge”

Moon is the Earth's Seventh Continent



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Graphic Interface

In a Portal the major role is plaid by graphics interface



Evaluator

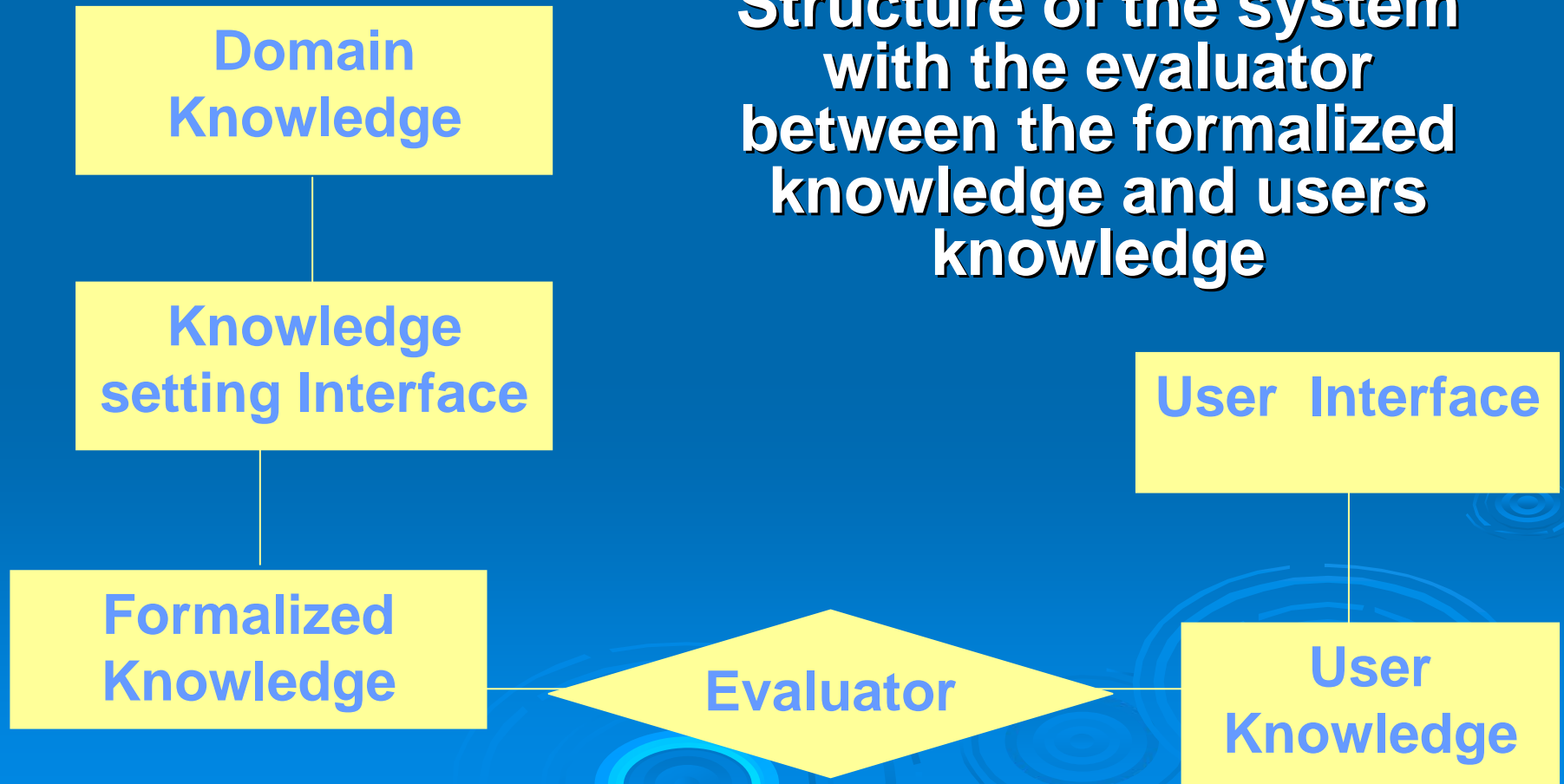
the domain Knowledge is explicitly tranferred by means of simple rules defined in system



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**Structure of the system
with the evaluator
between the formalized
knowledge and users
knowledge**





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Movies and role Game

Using Formal Ontology an educational tool about Moon missions has been developed.



Graphic user interface of Space Mission
<http://yoda.bo.isac.cnr.it/SpaceMission>