



ICT&S Center

UNITY OF KNOWLEDGE THROUGH DIVERSITY TRANSDISCIPLINARITY

CELINA RA...

We must stop acting as though nature were organized into disciplines
[Russell Lincoln Ackoff]

Global challenges societies are faced with cannot be solved with current methods. An integrative paradigm is needed. To obtain a new way of thinking and problem-solving, the humanities. Therefore we have to shift towards transdisciplinarity within the sciences. Transdisciplinarity existing so far, a new approach has to be developed, encouraged.

Disciplines

Crossdisciplines



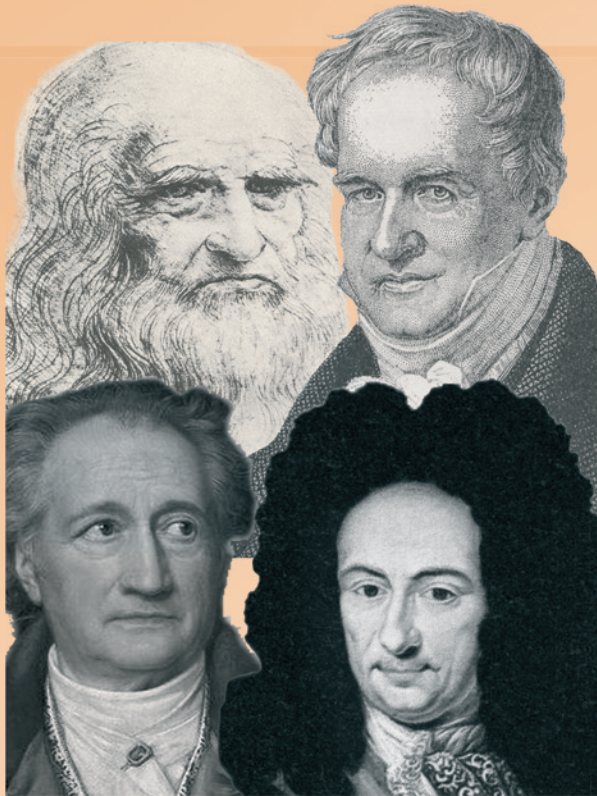
KNOWLEDGE CITY IN SCIENCES CITY IN RESEARCH AFFL

disciplines in the same way that universities are.

methods and knowledge found within single disciplines. Hence,
problem solving we have to bridge the gap between natural sciences and
in current research and studies. As there is no unified definition of
encompassing three ways of thinking (cp. W. Hofkirchner):



Due to global problems that humanity is confronted with, there is a need to specific subjects will not become obsolete, but societies will have to find entire scientific area with new methods, a new perspective in which a new included in the process of research either. Results of any transdisciplinary and is based on philosophy as well as it refers mutually to crossdisciplines complex problems Information Science (and any other discipline) is asked Global problems require global solutions and global cooperation.



The scientific World has o there is a break between s hand one can notify an inc and specialists. Whereas about polyhistor, such as von Humboldt, Gottfried W Wolfgang von Goethe, Gal societies do not need a si universalist anymore but h requires wisdom. We need Collective Intelli

Only the wise human will incessantly have the whole in his r relation to the cosmos. [Bernhard Groethuysen]

Interdisciplinarity

Dialectics - Transdisciplinarity

find a solution to cope with today's complex issues. Thus, knowledge of wise solutions, whereas single disciplines have to be woven into an quality of problem solving will emerge. Stakeholders have to be research and study can not be reduced to any other single discipline , such as information science or systems theory. Because of today's to think transdisciplinarily.

changed rapidly over the centuries. On the one sciences and humanities, on the other increasing gap between universalists in ancient days one can speak s Leonardo da Vinci, Alexander Wilhelm von Leibniz, Johann ileo Galilei, etc., these days ngle person to be a humanity as a whole gence.



mind, think and act in