Transdisciplinarity Non-Technical Rational for Discussion

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The following is an attempt to show (1) why Transdisciplinarity, as defined by the three pillars of B. Nicolescu (included middle, levels of reality, complexity) is needed and (2) what it can contribute:

1. Transdisciplinarity can be considered as a process for inclusion of emotional and philosophical elements into debates on solutions of practical problems.

2. Transdisciplinarity can be considered as a method for or a reminder of the need for inclusion of (non-classical) logic as a basis for understanding of practical problems.

3. Transdisciplinarity can be considered as a logical framework for discussion of paradox, self-reference and individuality in relation to practical problems.

4. Transdisciplinarity provides a way of thinking about the relations and implications between events and people?s actions, and of how things can be linked by negation as well as positively, with benefits for finding solutions to practical problems.

5. Transdisciplinary logic can be considered as a logic of human experience and human intelligence, which may be necessary for a new approach to practical problems.

6. Transdisciplinarity can be considered as a 2nd order cybernetic system in which the concatenation of sub-systems and syntheses becomes natural and usable for solution of practical problems.

7. Transdisciplinarity can be a vehicle for a discussion of space and time which can help change attitudes toward practical problems (e.g., by introducing the concept of a "problem-space-time" (configuration space of problems?).

8. Transdisciplinarity can provide a language which simplifies discussion of the rôle of complex dynamics of situations requiring solution of practical problems.

9. Transdisciplinarity provides a new approach to the subject-object dichotomy, which may help in finding real solutions to practical problems, though improved understanding of the point of view of the "other".