Actor Roles in Transdisciplinary Research

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By referring to the social science role theory, the challenges that arise for scientists working at the interface between science and society can be better understood. Role theory also offers suitable concepts for examining the attitudes of scientists

In functionalist role theory, actor roles are conceptualized as social expectations: "Social roles are bundles o expectations that are linked to the behavior of those who hold positions in a given society" (Dahrendorf 1958: 144, own translation). From this perspective, social roles fulfill certain functions within society and contribute to the stability of social order. These expectations are guidelines, rules and institutions that scientists use to perform their tasks and responsibilities. Scientists perform role taking in their attempt to fulfill these expectations. In this sense, the attitudes of scientists can be understood as an internalization of social norms. These norms are learned and internalized by the role bearers in the course of socialization processes. They are a resource for role-appropriate behavior.

Scholars of interpretative role theory have pointed out that role expectations and the social norms associated with them are not simply accepted by actors without questioning. The attitudes of scientists and sociated expectations do not necessarily have to match. Instead of *role laking* as emphasized in functionalist role theories, interpretative approaches have placed *role making* at the center (Wilson 1970). The aim of these approaches is to show how actor roles are changed and negotiated in situations of action. In this sense, scientists always take different roles in different contexts.







