Ontological Semantic Mapping for the Subject Facets on Global Warming and Climate Change

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ABSTRACT

To sustain the life and civilization on this planet 'Earth' day by day the term 'Global Warming' has become one of the most important sought heading. One unique affair of this phenomena 'Global Warming' is that here the concern and danger of the developed nations and developing nations remains the same, the economic and technological advantage of the developed nations can only show the light on further R & D on this topic and how we can combat this natural phenomena which may draw the last paragraph of our 21st century. An effort has been made to collect the isolates or facets on the topic 'Global Warming and Climate Change' and arrange these facets into a semantic and ontological relationship and then transfer these facets into SKOS (Simple Knowledge Organization Systems) mapping and lastly translate this SKOS mapping into RDF (Resource Descriptive Framework) with the help of XML (Extensible Mark-up Language). Basically this is an Information System Tool, which can be applied on any subject/topic for accessing web literature. In this case this has been developed for accessing web literatures on 'Global Warming and Climatology'.

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