

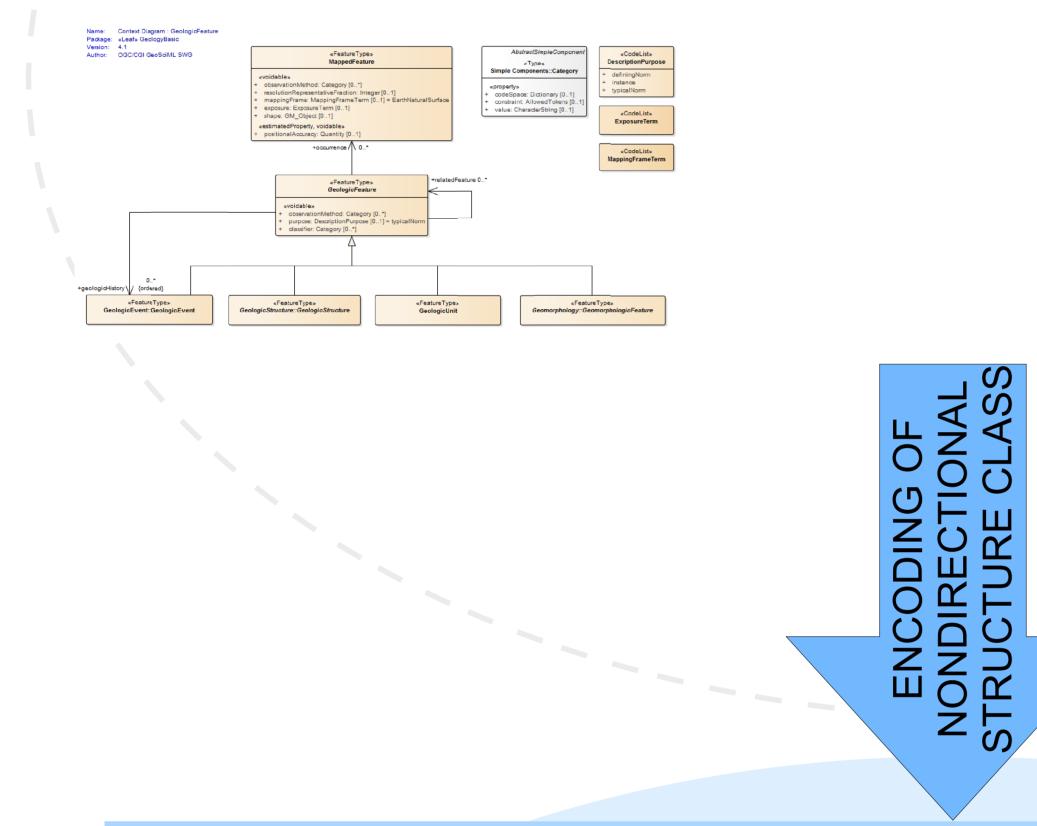




INTRODUCTION TO THE RESEARCH PROBLEM

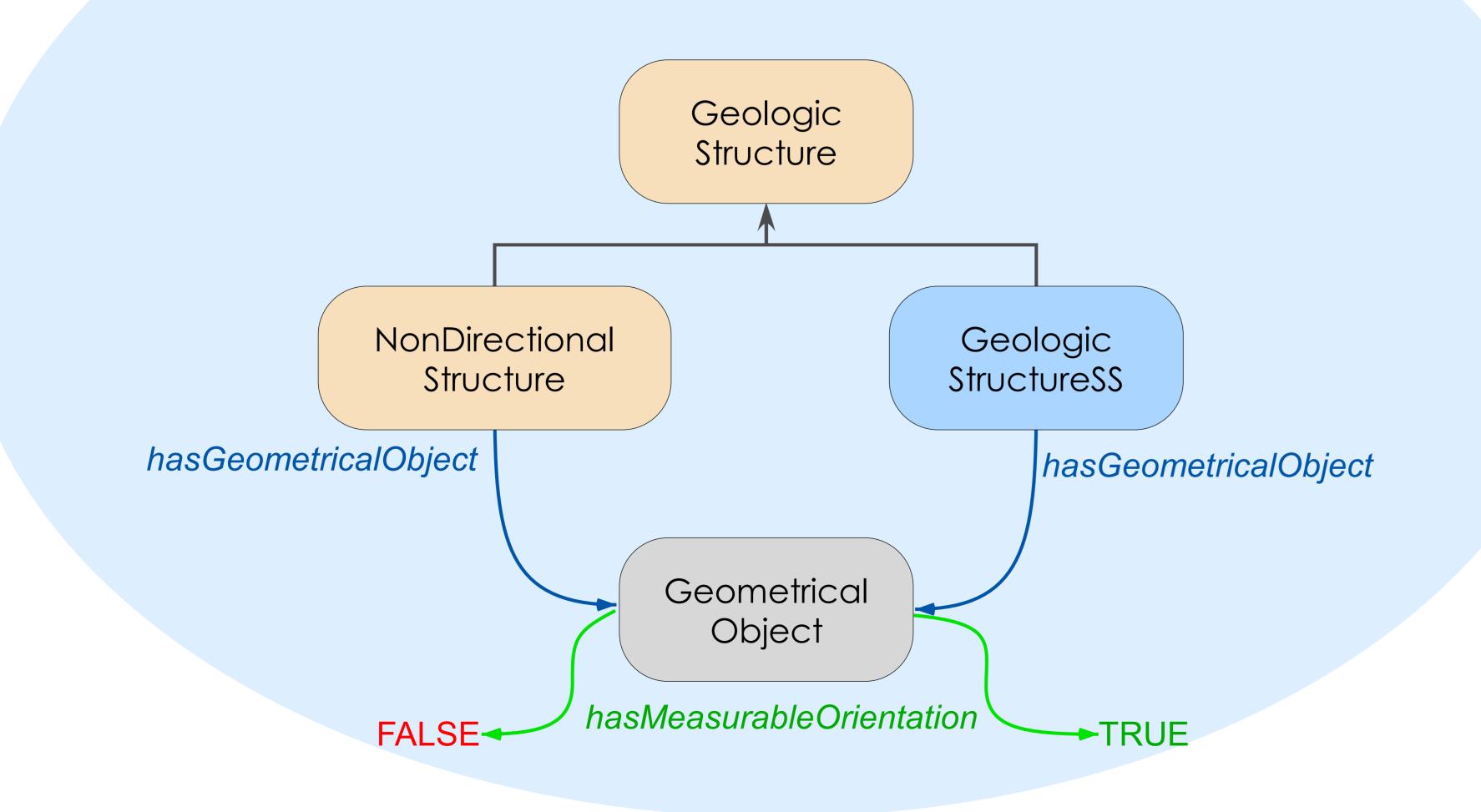
GeologicStructure is a GeoScienceML concept, adopted as a class in the OntoGeonous ontology. It is subclass of GeologicFeature; it has three sibling classes and has 8 subclasses. During the encoding of its subclasses, the NonDirectionalStructure and FoldSystem class brought us to develop new classes and taxonomy to fit with the axioms of the other classes. In the BLUE circle, there are the novelties introduced with the encoding of the NonDirectionalStructure class;

In the YELLOW circle, there are the novelties introduced by the encoding of the FoldSystem class; The final taxonomy with the new classes, result of the encoding of both the classes, is resumed in the GREEN circle. ENCODING OF



NON DIRECTIONAL STRUCTURE VS GEOLOGIC STRUCTURE SS:

DISTINCTIVE PROPERTY: has a geometrical object which has or has not a measurable orientation



ONTOGEONOUS-GS: IMPLEMENTATION OF AN ONTOLOGY FOR THE GEOLOGIC STRUCTURES FROM THE IUGS CGI AND INSPIRE STANDARDS

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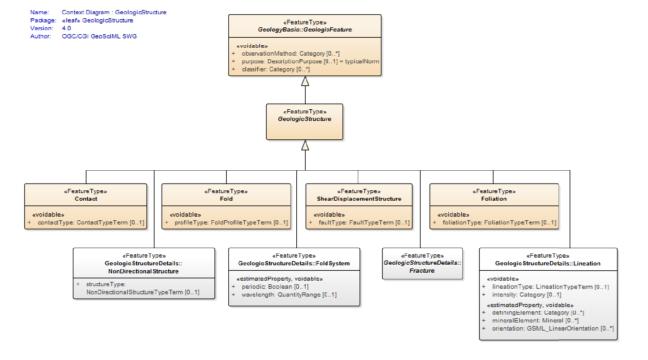
NonDirectional

Structure

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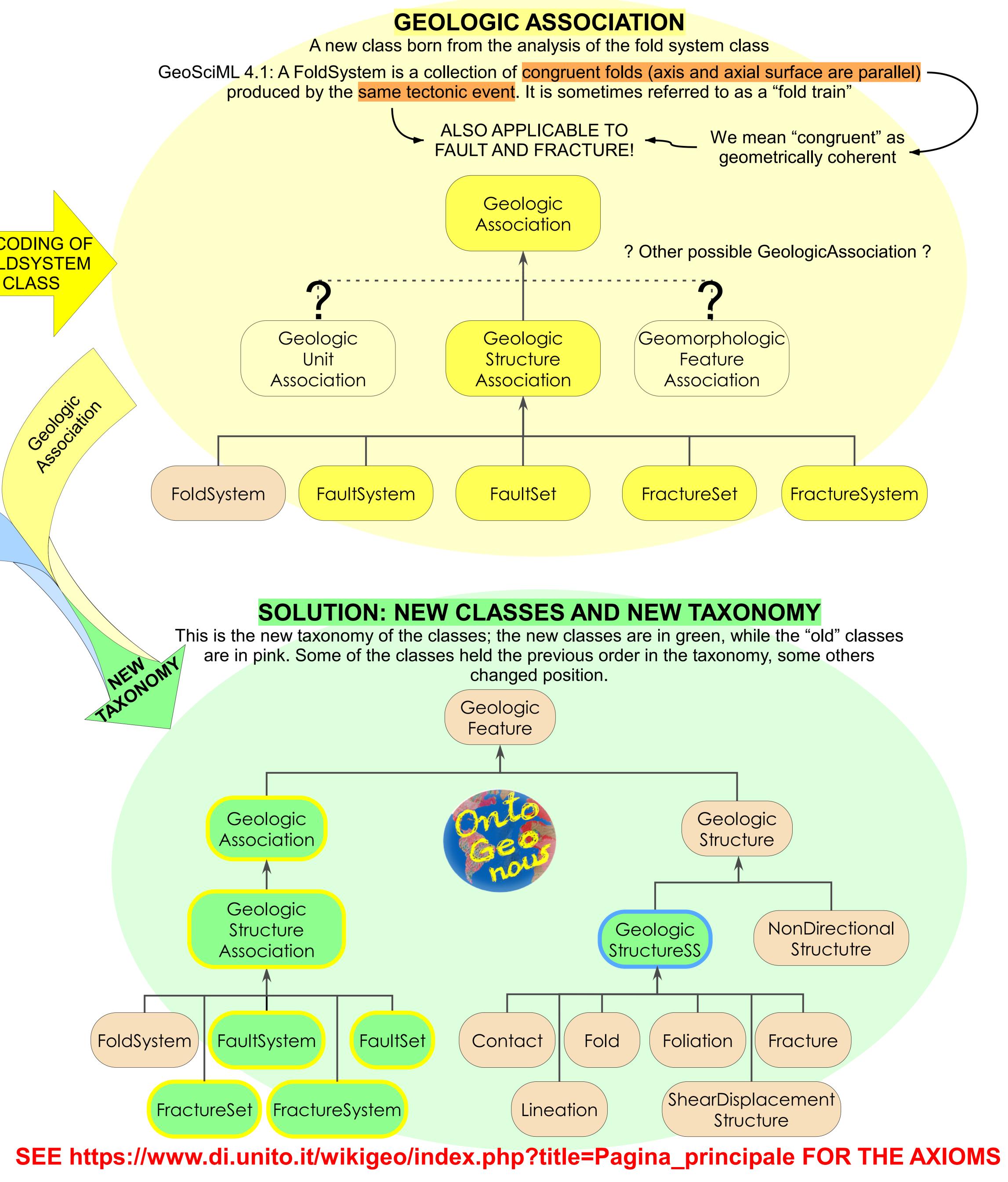
FOLDSYSTEM

CLASS













delle Ricerche

