

Listing S2-1: OWL code of social participation

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@prefix foaf: <http://xmlns.com/foaf/0.1/> .
@prefix ops: <http://purl.org/socialparticipation/ops/> .
@prefix owl: <http://www.w3.org/2002/07/owl#> .
@prefix rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .
@prefix rdfs: <http://www.w3.org/2000/01/rdf-schema#> .
@prefix snap: <http://www.ifomis.org/bfo/1.1/snap#> .
@prefix span: <http://www.ifomis.org/bfo/1.1/span#> .
@prefix xml: <http://www.w3.org/XML/1998/namespace> .
@prefix xsd: <http://www.w3.org/2001/XMLSchema#> .

ops:Action a rdfs:Class,
    owl:Class ;
    rdfs:label "Action"@en,
        "Acción"@es,
        "Ação"@pt ;
    rdfs:comment "what is done in terms os social participation"@en ;
    rdfs:subClassOf span:ProcessualEntity .

ops:Cause a rdfs:Class,
    owl:Class ;
    rdfs:label "Cause"@en,
        "Causa"@es,
        "Causa"@pt ;
    rdfs:comment "the motivation for Action"@en ;
    rdfs:subClassOf snap:IndependentContinuant .

ops:Executor a rdfs:Class,
    owl:Class ;
    rdfs:label "Executor"@en,
        "Ejecutor"@es,
        "Executor"@pt ;
    rdfs:comment "performs action directly and is responsible for results"@en ;
    rdfs:subClassOf ops:SocialActor,
        snap:MaterialEntity .

ops:Initiator a rdfs:Class,
    owl:Class ;
    rdfs:label "Initiator"@en,
        "Iniciador"@es,
        "Iniciador"@pt ;
    rdfs:comment "originates cause, individually or collaboratively"@en ;
    rdfs:subClassOf ops:SocialActor,
        snap:MaterialEntity .

ops:Organization a rdfs:Class,
    owl:Class ;
    rdfs:label "Organization"@en,
        "Organización"@es,
        "Organizaçãõ"@pt ;
    rdfs:comment "social actor is a group of individuals, organized formally or informally (e.g. movements, collectives)"@en ;
    rdfs:subClassOf ops:SocialActor,
        snap:MaterialEntity,
        foaf:Organization ;
    owl:disjointWith ops:Person .

ops:ParticipationCharacteristic a rdfs:Class,
    owl:Class ;
    rdfs:label "Participation Characteristic"@en,
        "Característica de Participación"@es,
        "Característica de Participaçãõ"@pt ;
    rdfs:comment "the way the participation of specific actor is happening"@en ;
    rdfs:subClassOf snap:DependentContinuant .

ops:Person a rdfs:Class,
    owl:Class ;
    rdfs:label "Person"@en,
        "Persona"@es,
        "Pessoa"@pt ;
    rdfs:comment "a person (social actor is a person)"@en ;
    rdfs:subClassOf ops:SocialActor,
        snap:MaterialEntity,
        foaf:Person .

ops:Problem a rdfs:Class,
    owl:Class ;
    rdfs:label "Problem"@en,
        "Problema"@es,
        "Problema"@pt ;
    rdfs:comment "the problem that the Action aims to solve"@en ;
    rdfs:subClassOf snap:IndependentContinuant .

ops:Result a rdfs:Class,
    owl:Class ;
    rdfs:label "Result"@en,
        "Resultado"@es,
        "Resultado"@pt ;
    rdfs:comment "the result obtained with Action"@en ;
    rdfs:subClassOf snap:DependentContinuant .

ops:Scope a rdfs:Class,
    owl:Class ;
    rdfs:label "Scope"@en,
        "Ambito"@es,
        "Escopo"@pt ;
    rdfs:comment "thescope of Action"@en ;

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    rdfs:subClassOf snap:DependentContinuant .

ops:SocialActor a rdfs:Class,
    owl:Class ;
    rdfs:label "Social Actor"@en,
        "Actor Social"@es,
        "Ator Social"@pt ;
    rdfs:comment "entity that might have a participatory role"@en ;
    rdfs:subClassOf snap:MaterialEntity .

ops:Solution a rdfs:Class,
    owl:Class ;
    rdfs:label "Solution"@en,
        "Solución"@es,
        "Solução"@pt ;
    rdfs:comment "solution achieved with Action"@en ;
    rdfs:subClassOf snap:DependentContinuant .

ops:Supporter a rdfs:Class,
    owl:Class ;
    rdfs:label "Supporter"@en,
        "Apoyador"@es,
        "Apoiador"@pt ;
    rdfs:comment "supports cause with resources of any kind (e.g. cognitive, financial, equipments)"@en ;
    rdfs:subClassOf ops:SocialActor,
        snap:MaterialEntity .

ops:Theme a rdfs:Class,
    owl:Class ;
    rdfs:label "Theme"@en,
        "Tema"@es,
        "Tema"@pt ;
    rdfs:comment "the theme in focus by Action"@en ;
    rdfs:subClassOf snap:IndependentContinuant .

ops:action a rdf:Property,
    owl:ObjectProperty ;
    rdfs:label "action"@en,
        "acción"@es,
        "ação"@pt .

ops:belongsTo a rdf:Property,
    owl:ObjectProperty ;
    rdfs:label "belongs to"@en,
        "pertence al"@es,
        "pertence ao"@pt ;
    rdfs:range ops:Scope .

ops:contributesTo a rdf:Property,
    owl:ObjectProperty ;
    rdfs:label "contributes to"@en,
        "contribuye a la"@es,
        "contribui para"@pt .

ops:executes a rdf:Property,
    owl:ObjectProperty ;
    rdfs:label "executes"@en,
        "ejecuta"@es,
        "executa"@pt .

ops:generates a rdf:Property,
    owl:ObjectProperty ;
    rdfs:label "generates"@en,
        "genera"@es,
        "gera"@pt .

ops:ops.owl a owl:Ontology ;
    rdfs:label "OPS"^^xsd:string,
        "Social Participation Ontology"@en,
        "Ontología de la participación social"@es,
        "Ontologia de Participação Social"@pt ;
    rdfs:comment "Social Participation Ontology headed by Cidade Democrática, Brazilian Federal Government and Corais Platform, in
    direct collaboration with dozens of actors throughout latin america"@en,
        "Ontología de Participación Social conducida por el Cidade Democrática, el Gobierno Federal de Brasil y la Plataforma Corais,
        en colaboración directa con docenas de actores en toda América Latina"@es,
        "Ontologia de Participação Social capitaneada pelo Cidade Democrática, Governo Federal Brasileiro e Plataforma Corais, em
        colaboração direta com dezenas de agentes de toda américa latina"@pt ;
    rdfs:seeAlso <http://purl.org/socialparticipation/aa>,
        <http://purl.org/socialparticipation/obs>,
        <http://purl.org/socialparticipation/ocd>,
        <http://purl.org/socialparticipation/opa>,
        <http://purl.org/socialparticipation/vbs> ;
    owl:versionInfo "0.02"^^xsd:string .

ops:produces a rdf:Property,
    owl:ObjectProperty ;
    rdfs:label "produces"@en,
        "produce"@es,
        "produz"@pt .

ops:proposes a rdf:Property,
    owl:ObjectProperty ;
    rdfs:label "proposes"@en,
        "propone"@es,
        "propõe"@pt .

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ops:solves a rdf:Property,  
    owl:ObjectProperty ;  
rdfs:label "solves"@en,  
    "resuelve"@es,  
    "soluciona"@pt .  
  
ops:starts a rdf:Property,  
    owl:ObjectProperty ;  
rdfs:label "starts"@en,  
    "inicia"@es,  
    "inicia"@pt .  
  
ops:supports a rdf:Property,  
    owl:ObjectProperty ;  
rdfs:label "supports"@en,  
    "apoya"@es,  
    "apoia"@pt .  
  
ops:theme a rdf:Property,  
    owl:ObjectProperty ;  
rdfs:label "theme"@en,  
    "tema"@es,  
    "tema"@pt ;  
rdfs:range ops:Theme .  
  
ops:trait a rdf:Property,  
    owl:ObjectProperty ;  
rdfs:label "trait"@en,  
    "rasgo"@es,  
    "traço"@pt .
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