

SPARQL queries

prefix t3: <http://www.semanticweb.org/ljutach/ontologies/2023/8/tuff3#>

1) Quali termini vengono equiparati al termine “bosco”?

```
SELECT ?comma ?explanandum ?explanans
WHERE {
{
?explanandum t3:actor t3:semanticamente_equivalente_a.
?explanans t3:undergoer t3:semanticamente_equivalente_a.
}
UNION
{
?explanandum t3:actor t3:semanticamente_equivalente_a.
?explanandum t3:hasReference ?comma
}
}
```

2) Come è definito Il patrimonio forestale nazionale?

```
SELECT ?comma ?explanandum ?explanans ?condition ?reference
WHERE {
{
?explanandum t3:actor t3:2a__si_definisce__come.
?explanandum t3:hasReference ?comma.
}
UNION
{
?explanans t3:undergoer t3:2a__si_definisce__come.
?explanans t3:hasReference ?reference
}
UNION
{
?explanans t3:undergoer t3:2a__si_definisce__come.
?explanans t3:hasCondition ?condition
}
}
```

3) Come è definita La gestione forestale sostenibile?

```
SELECT ?comma ?explanandum ?synonym ?explanans ?function ?condition
WHERE {
{
?explanandum t3:actor t3:2b__si_definisce__come.
?explanandum t3:hasReference ?comma.
?explanandum t3:hasSynonym ?synonym.
}
UNION
```

```

{
?explanans t3:undergoer t3:2b_si_definisce_come.
?explanans t3:hasFunction ?function
FILTER NOT EXISTS
{
?function t3:hasMetaAttr t3:senza_comportare_danni_ad_altri_ecosistemi.
}
}
UNION
{
?explanans t3:undergoer t3:2b_si_definisce_come.
?explanans t3:hasFunction ?function.
?function t3:hasMetaAttr ?condition.
}
}

```

4) Come sono definite le pratiche selvicolturali?

```

SELECT ?comma ?explanandum ?explanans ?function ?reference
WHERE {
{
?explanandum t3:actor t3:2c_si_definisce_come.
?explanandum t3:hasReference ?comma.
}
UNION
{
?explanans t3:undergoer t3:2c_si_definisce_come.
?explanans t3:hasFunction ?function.
FILTER NOT EXISTS

```

```

{
  ?function t3:hasMetaAttr t3:di_quanto_previsto_alla_lettera_d.
}
}
UNION
{
  ?explanans t3:undergoer t3:2c_si_definisce_come.
  ?explanans t3:hasFunction ?function.
  ?function t3:hasMetaAttr ?reference
}
}

```

5) Come sono definiti i prodotti forestali spontanei non legnosi?

```

prefix t3: <http://www.semanticweb.org/ljutach/ontologies/2023/8/tuff3#>
SELECT ?comma ?explanandum ?explanans ?function ?exception
WHERE {
  {
    ?explanandum t3:actor t3:2d_si_definisce_come.
    ?explanandum t3:hasReference ?comma.
  }
  UNION
  {
    ?explanans t3:undergoer t3:2d_si_definisce_come.
    ?explanans t3:hasFunction ?function.
    ?explanans t3:hasException ?exception.
  }
}

```

6) Come vengono definite le sistemazioni idraulico-forestali?

```
prefix t3: <http://www.semanticweb.org/ljutach/ontologies/2023/8/tuff3#>

SELECT ?comma ?explanandum ?explanans ?function
WHERE {
{
?explanandum t3:actor t3:2e_sono_definite_come.
?explanandum t3:hasReference ?comma.
}
UNION
{
?explanans t3:undergoer t3:2e_sono_definite_come.
?explanans t3:hasFunction ?function.
}
}
```

7) Come viene definita la viabilità forestale e silvo-pastorale?

```
prefix t3: <http://www.semanticweb.org/ljutach/ontologies/2023/8/tuff3#>

SELECT ?comma ?explanandum ?explanans ?condition ?metric ?function
WHERE {
{
?explanandum t3:actor t3:2f_si_definisce_come.
?explanandum t3:hasReference ?comma.
}
UNION
{
?explanans t3:undergoer t3:2f_si_definisce_come.
?explanans t3:hasCondition ?condition.
}
}
```

```

UNION
{
?explanans t3:undergoer t3:2f_si_definisce_come.
?explanans t3:hasFunction ?function.
}
UNION
{
?explanans t3:undergoer t3:2f_si_definisce_come.
?explanans t3:hasMetric ?metric.
}
}

```

8) Come vengono definiti i terreni abbandonati caratterizzati dal bosco ceduo?

```

prefix t3: <http://www.semanticweb.org/ljutach/ontologies/2023/8/tuff3#>
SELECT ?comma ?explanandum ?explanans ?metric ?condition
WHERE {
{
?explanandum t3:actor t3:2g1_sono_definiti_come.
?explanandum t3:hasReference ?comma.
}
UNION
{
?explanans t3:undergoer t3:2g1_sono_definiti_come.
?explanans t3:hasMetric ?metric.
?metric t3:hasMetaAttr ?condition
}
}
}

```

9) Come vengono definiti i terreni abbandonati caratterizzati dal bosco d'alto fusto?

prefix t3: <<http://www.semanticweb.org/ljutach/ontologies/2023/8/tuff3#>>

SELECT ?comma ?explanandum ?explanans ?condition

WHERE {

{

?explanandum t3:actor t3:2g2_sono_definiti_come.

?explanandum t3:hasReference ?comma.

}

UNION

{

?explanans t3:undergoer t3:2g2_sono_definiti_come.

?explanans t3:hasCondition ?condition.

}

}

10) Come vengono definiti i terreni abbandonati caratterizzati da colture agricole?

prefix t3: <<http://www.semanticweb.org/ljutach/ontologies/2023/8/tuff3#>>

SELECT ?comma ?explanandum ?exception ?explanans ?condition ?reference

WHERE {

{

?explanandum t3:actor t3:2g3_sono_definiti_come.

?explanandum t3:hasReference ?comma.

?explanandum t3:hasException ?exception.

}

UNION

{

?explanans t3:undergoer t3:2g3_sono_definiti_come.

?explanans t3:hasCondition ?condition.

```

?condition t3:hasMetaAttr ?reference
}
}

```

11) Come sono definiti i terreni silenti?

```

prefix t3: <http://www.semanticweb.org/ljutach/ontologies/2023/8/tuff3#>
SELECT ?comma ?explanandum ?explanans ?reference ?condition
WHERE {
{
?explanandum t3:actor t3:2h_sono_definiti_come.
?explanandum t3:hasReference ?comma.
}
UNION
{
?explanans t3:undergoer t3:2h_sono_definiti_come.
?explanans t3:hasReference ?reference.
?explanans t3:hasCondition ?condition.
}
}

```

12) Come è definito il prato o pascolo permanente?

```

prefix t3: <http://www.semanticweb.org/ljutach/ontologies/2023/8/tuff3#>
SELECT ?comma ?explanandum ?explanans ?condition ?function ?metafunction
WHERE {
{
?explanandum t3:actor t3:2i1_si_definisce_come.
?explanandum t3:hasReference ?comma.
}
}

```



```

UNION
{
?explanans t3:undergoer t3:2i1_si_definisce_come.
?explanans t3:hasCondition ?condition.
}

```

```

UNION
{
?explanans t3:undergoer t3:2i1_si_definisce_come.
?explanans t3:hasFunction ?function.
?function t3:hasMetaAttr ?metafunction
}

```

```

UNION
{
?explanans t3:undergoer t3:2i1_si_definisce_come.
?explanans t3:hasFunction ?function.
}

```

```

FILTER NOT EXISTS
{
?function t3:hasMetaAttr ?metafunction.
}
}
}

```

13) Come sono definite le superfici usate per il pascolo del bestiame?

prefix t3: <<http://www.semanticweb.org/ljutach/ontologies/2023/8/tuff3#>>

SELECT ?comma ?explanandum ?explanans ?function ?condition

WHERE {

{

?explanandum t3:actor t3:2i2_sono_definite_come.

?explanandum t3:hasReference ?comma.

}

UNION

{

?explanans t3:undergoer t3:2i2_sono_definite_come.

?explanans t3:hasFunction ?function.

?function t3:hasMetaAttr ?condition.

}

}

14) Come è definito il prato o pascolo arborato?

prefix t3: <<http://www.semanticweb.org/ljutach/ontologies/2023/8/tuff3#>>

SELECT ?comma ?explanandum ?function ?explanans ?metric

WHERE {

{

?explanandum t3:actor t3:2l_si_definisce_come.

?explanandum t3:hasReference ?comma.

?explanandum t3:hasFunction ?function.

}

UNION

{

?explanans t3:undergoer t3:2l_si_definisce_come.

```

?explanans t3:hasMetric ?metric.
}
}

```

15) Come è definito il bosco da pascolo?

```

prefix t3: <http://www.semanticweb.org/ljutach/ontologies/2023/8/tuff3#>
SELECT ?comma ?explanandum ?explanans ?condition
WHERE {
{
?explanandum t3:actor t3:2m_si_definisce_come.
?explanandum t3:hasReference ?comma.
}
UNION
{
?explanans t3:undergoer t3:2m_si_definisce_come.
?explanans t3:hasCondition ?condition.
}
}

```

16) Come è definita l'arboricoltura da legno?

```

prefix t3: <http://www.semanticweb.org/ljutach/ontologies/2023/8/tuff3#>
SELECT ?comma ?explanandum ?function ?explanans ?condition
WHERE {
{
?explanandum t3:actor t3:2n_si_definisce_come.
?explanandum t3:hasReference ?comma.
?explanandum t3:hasFunction ?function
}
}

```

UNION

```
{  
  ?explanans t3:undergoer t3:2n_si_definisce_come.  
  ?explanans t3:hasCondition ?condition.  
}
```

17) Come è definita La programmazione forestale?

prefix t3: <<http://www.semanticweb.org/ljutach/ontologies/2023/8/tuff3#>>

SELECT ?comma ?explanandum ?explanans ?function

WHERE {

```
{  
  ?explanandum t3:actor t3:2o_si_definisce_come.  
  ?explanandum t3:hasReference ?comma.  
}
```

UNION

```
{  
  ?explanans t3:undergoer t3:2o_si_definisce_come.  
  ?explanans t3:hasFunction ?function  
}
```

18) Dove sono definite le attività di gestione forestale?

prefix t3: <<http://www.semanticweb.org/ljutach/ontologies/2023/8/tuff3#>>

SELECT ?explanandum ?reference

WHERE {

{

?explanandum t3:hasReference t3:comma_2p.

?explanandum t3:hasReference ?reference.

}

}

19) Come è definita l'impresa forestale?

prefix t3: <<http://www.semanticweb.org/ljutach/ontologies/2023/8/tuff3#>>

SELECT ?comma ?explanandum ?function ?explanans ?reference

WHERE {

{

?explanandum t3:actor t3:2q_si_definisce_come.

?explanandum t3:hasReference ?comma.

?explanandum t3:hasFunction ?function.

}

UNION

{

?explanans t3:undergoer t3:2q_si_definisce_come.

?explanans t3:hasReference ?reference

}

}

20) Come è definito il bosco di protezione diretta?

prefix t3: <<http://www.semanticweb.org/ljutach/ontologies/2023/8/tuff3#>>

SELECT ?comma ?explanandum ?explanans ?function

WHERE {

{

?explanandum t3:actor t3:2r_si_definisce_come.

?explanandum t3:hasReference ?comma.

}

UNION

{

?explanans t3:undergoer t3:2r_si_definisce_come.

?explanans t3:hasFunction ?function.

}

}

21) Dove è definito il materiale di moltiplicazione?

prefix t3: <<http://www.semanticweb.org/ljutach/ontologies/2023/8/tuff3#>>

SELECT ?explanandum ?reference

WHERE {

{

?explanandum t3:hasReference t3:comma_2s.

?explanandum t3:hasReference ?reference.

}

}

22) Come viene definito il bosco?

prefix t3: <<http://www.semanticweb.org/ljutach/ontologies/2023/8/tuff3#>>

SELECT ?comma ?explanandum ?explanans ?condition ?metric

WHERE {

{

?explanandum t3:actor t3:3_si_definisce_come.

?explanandum t3:hasReference ?comma.

}

UNION

{

?explanans t3:undergoer t3:3_si_definisce_come.

?explanans t3:hasCondition ?condition.

}

UNION

{

?explanans t3:undergoer t3:3_si_definisce_come.

?explanans t3:hasMetric ?metric.

}

}

23) Dove sono definite le aree assimilate a bosco e le aree escluse dalla definizione di bosco?

prefix t3: <<http://www.semanticweb.org/ljutach/ontologies/2023/8/tuff3#>>

SELECT ?explanandum ?reference

WHERE {

{

?explanandum t3:hasReference t3:comma_4.

?explanandum t3:hasReference ?reference.

}
}