

# Extended YAML-LD (PR #78)

Allows use of tagged value to express datatyped- and language-tagged literals

- Extends JSON-LD Internal Representation beyond strings, booleans, and numbers.
- Note: library shortcomings may require the use of "%23" instead of "#" in tag URIs.

```
%YAML 1.2
%TAG !xsd! http://www.w3.org/2001/XMLSchema#
---
"@context":
  "@vocab": http://xmlns.com/foaf/0.1/
name: !xsd:string Gregg Kellogg
homepage: https://greggkellogg.net/
depiction: http://www.gravatar.com/avatar/42f948...
date: !xsd:date "2022-09-12"
```

```
@prefix foaf: <http://xmlns.com/foaf/0.1/> .
@prefix xsd: <http://www.w3.org/2001/XMLSchema#> .

[
  foaf:name "Gregg Kellogg";
  foaf:homepage "http://xmlns.com/foaf/0.1/homepage";
  foaf:depiction "http://www.gravatar.com/avatar/42f948...";
  foaf:date "2022-09-12"^^xsd:date;
]
```

# Extended YAML-LD

(Ab-)use i18n for language-tagged literals

```
%YAML 1.2
%TAG !i18n! https://www.w3.org/ns/i18n%23
---
"@context":
  "@vocab": http://example.com/
  name: http://xmlns.com/foaf/0.1/name
  homepage: http://xmlns.com/foaf/0.1/homepage
  depiction: http://xmlns.com/foaf/0.1/depiction
name: Gregg Kellogg
homepage: https://greggkellogg.net/
depiction: http://www.gravatar.com/avatar/42f948...
lang: !i18n!en-US US English
dir: !i18n!_ltr "Left to Right"
langdir: !i18n!en-US_ltr "Left to Right US English"
```

```
@prefix ex: <http://example.com/> .
@prefix foaf: <http://xmlns.com/foaf/0.1/> .
@prefix i18n: <https://www.w3.org/ns/i18n#> .

[
  foaf:name "Gregg Kellogg";
  foaf:homepage "https://greggkellogg.net/";
  foaf:depiction "http://www.gravatar.com/avatar/42f948...";
  ex:lang "US English"@en-US;
  ex:dir "Left to Right"^^i18n:_ltr;
  ex:langdir "Left to Right US English"^^i18n:en-US_ltr;
]
```