Supplementary Material 1:
Draft of Seismological Waveform data FAIR Implementation Profile

Community description	
Name of Community	*Seismology: waveform data*
Description of Community	
Supporting Links	www.fdsn.org
Research Domain	*Earth Sciences*
Data Steward	*0000-0001-9993-4003*
Date of FIP creation	2024/12/01

FAIR principle	Question	FAIR enabling resource types	Your answers
F1	What globally unique, persistent, resolvable identifiers do you use for metadata records?	Identifier type	*DOI, ORCID, ROR*
F1	What globally unique, persistent, resolvable identifiers do you use for datasets?	Identifier type	DOI
F2	Which metadata schemas do you use for findability?	Metadata schema	Datacite, StationXML(?)
F3	What is the technology that links the persistent identifiers of your data to the metadata description?	Metadata-Data linking mechanism	M->D: StationXML, Signposting in landing page
F4	In which search engines are your metadata records indexed?	Search engines	Handle(DOI) / FDSN
F4	In which search engines are your datasets indexed?	Search engines	Handle(DOI) / FDSN
A1.1	Which standardized communication protocol do you use for metadata records?	Communication protocol	FDSN StationWS, Datacite common API
A1.1	Which standardized communication protocol do you use for datasets?	Communication protocol	FDSN Dataselect
A1.2	Which authentication & authorisation technique do you use for metadata records?	Authentication & authorisation technique	No AuthN/AuthZ
A1.2	Which authentication & authorisation technique do you use for datasets?	Authentication & authorisation technique	HTTP Digest basic (if restricted)
A2	Which metadata longevity plan do you use?	Metadata longevity	DataCite DOI Policy
I1	Which knowledge representation languages (allowing machine interoperation) do you use for	Knowledge representation language	
I1	Which knowledge representation languages (allowing machine interoperation) do you use for	Knowledge representation language	SEED?
I2	Which structured vocabularies do you use to annotate your metadata records?	Structured vocabularies	The ones specified in StationXML, GCMD, NASA
I2	Which structured vocabularies do you use to encode your datasets?	Structured vocabularies	SEED standard
I3	Which models, schema(s) do you use for your metadata records?	Metadata schema	DataCite, StationXML
I3	Which models, schema(s) do you use for your datasets?	Data schema	SEED
R1.1	Which usage license do you use for your metadata records?	Data usage license	No license. Completely open, but not declared
R1.1	Which usage license do you use for your datasets?	Data usage license	Usually CC-BY. Europe: EPOS recommendation
R1.2	Which metadata schemas do you use for describing the provenance of your metadata records?	Provenance model	StationXML, DataCite
R1.2	Which metadata schemas do you use for describing the provenance of your datasets?	Provenance model	StationXML, DataCite

Cellule: B2
Commentaire : I would here write in the 2nd line
"Draft FAIR Implementation Profile for Seismology"
-Florian Haslinger