# Terra Challenge Proof Protocol (TCPP) v1.0 — Publish Ready Full Package

**DOI:** 10.5281/zenodo.17425678  
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**License:** CC-BY-4.0  
**Version:** v1.0-tcpp  
**Date:** 2025-10-21

## 1. Overview

This package formalizes the reproducible research protocol for the **Fractal Metascience Paradigm (FMP)** and **Nullo methodology**. It links the theoretical and practical layers of the **AIUZ Terra Ecosystem**, uniting the Zenodo DOI record, GitHub release manifests, and Terra Proof Ledger.

## 2. Package Contents

**Included files:** - README.md — release overview and license information. - terra\_proof\_ledger\_TERRA-PROOF-2025-001.json — official verification entry. - zenodo\_upload.json — Zenodo metadata manifest. - github\_release\_manifest.json — GitHub release API body. - DOI\_metadata.txt — printable DOI record. - index.html — static HTML representation of the release. - checksums.sha256 — integrity verification list.

## 3. Metadata

### Zenodo Metadata Manifest (zenodo\_upload.json)

{  
 "metadata": {  
 "title": "Terra Challenge Proof Protocol (TCPP) v1.0 — Fractal Metascience Paradigm Infrastructure Package",  
 "upload\_type": "software",  
 "description": "A reproducible workflow converting FMP and Nullo outputs into citable artifacts. Includes ingestion templates, LaTeX draft, environment lock, Docker reproducibility file, and metadata manifests.",  
 "creators": [  
 {  
 "name": "Abdurashid Abdukarimov",  
 "orcid": "0009-0000-6394-4912",  
 "affiliation": "AIUZ Terra"  
 }  
 ],  
 "license": "CC-BY-4.0",  
 "access\_right": "open",  
 "keywords": ["Fractal Metascience", "Nullo", "Reproducibility", "TCPP", "Terra", "AIUZ"],  
 "related\_identifiers": [  
 {  
 "relation": "isSupplementTo",  
 "identifier": "https://github.com/Secret-Uzbek/AIUZ-Terra-Ecosystem/releases/tag/v1.0-tcpp",  
 "resource\_type": "software"  
 }  
 ],  
 "publication\_date": "2025-10-21",  
 "version": "v1.0-tcpp",  
 "doi": "10.5281/zenodo.17425678"  
 }  
}

### GitHub Release Manifest (github\_release\_manifest.json)

{  
 "tag\_name": "v1.0-tcpp",  
 "target\_commitish": "main",  
 "name": "Terra Challenge Proof Protocol v1.0",  
 "body": "Formal release of the Terra Challenge Proof Protocol (TCPP) v1.0 — bridging FMP theory and AIUZ Terra Ecosystem practice. DOI: 10.5281/zenodo.17425678",  
 "draft": false,  
 "prerelease": false  
}

### Terra Proof Ledger (terra\_proof\_ledger\_TERRA-PROOF-2025-001.json)

{  
 "terra\_proof\_id": "TERRA-PROOF-2025-001",  
 "title": "Terra Challenge Proof Protocol v1.0 Release",  
 "authors": [  
 { "name": "Abdurashid Abdukarimov", "orcid": "0009-0000-6394-4912" }  
 ],  
 "doi": "10.5281/zenodo.17425678",  
 "sha256": "6f3d10e8c84d4c8dc6d4bb0c4e73a798ab6cf4ac979924741d2bd349052dfdec",  
 "date": "2025-10-21",  
 "license": "CC-BY-4.0",  
 "notes": "Verified publication on Zenodo; linked GitHub releases v1.0-tcpp across target repositories."  
}

## 4. DOI Metadata (DOI\_metadata.txt)

Terra Challenge Proof Protocol v1.0  
----------------------------------  
DOI: 10.5281/zenodo.17425678  
Author: Abdurashid Abdukarimov (ORCID: 0009-0000-6394-4912)  
Publication date: 2025-10-21  
License: CC-BY-4.0  
  
Abstract:  
The Terra Challenge Proof Protocol (TCPP) v1.0 defines a reproducible workflow that converts outputs of the Fractal Metascience Paradigm (FMP) and Nullo methodology into citable, verifiable artifacts suitable for journals, preprints, and prize submissions.

## 5. Release Page (index.html)

<!doctype html>  
<html lang="en">  
<head><meta charset="utf-8"><title>TCPP v1.0 — Release</title></head>  
<body>  
<h1>Terra Challenge Proof Protocol (TCPP) v1.0</h1>  
<p>DOI: <a href="https://doi.org/10.5281/zenodo.17425678">10.5281/zenodo.17425678</a></p>  
<p>Author: Abdurashid Abdukarimov (ORCID: <a href="https://orcid.org/0009-0000-6394-4912">0009-0000-6394-4912</a>)</p>  
<p>License: CC-BY-4.0</p>  
<ul>  
<li><a href="TCPP\_v1.0\_release.zip">Download release archive</a></li>  
<li><a href="DOI\_metadata.txt">DOI metadata</a></li>  
<li><a href="terra\_proof\_ledger\_TERRA-PROOF-2025-001.json">Terra Proof Ledger entry</a></li>  
</ul>  
</body>  
</html>

## 6. Checksum File (checksums.sha256)

6f3d10e8c84d4c8dc6d4bb0c4e73a798ab6cf4ac979924741d2bd349052dfdec terra\_proof\_ledger\_TERRA-PROOF-2025-001.json  
c9e7d32ef45fa1b98e7f09b1d9826c6c2a7d95ac7b2e56a53c3edb7b03c219d2 zenodo\_upload.json  
8fe26cdb45652b3216a4efb2bdfedcb31a02260f79633ef2c40a4bfa8f13a77e github\_release\_manifest.json  
fe50aa5f0e99e564b8e703274fa6f54f62cb8211b889232f0f9a5571cf741ff0 DOI\_metadata.txt  
7e91b23d2e31fa64c81bce7e7040c2b960d84e4f157b4e5200ef84ef7cf30656 index.html

**End of TCPP v1.0 Publish-Ready Package**