



# **IHO S-57 to S-101 Converter Update**

Tom De Puyt



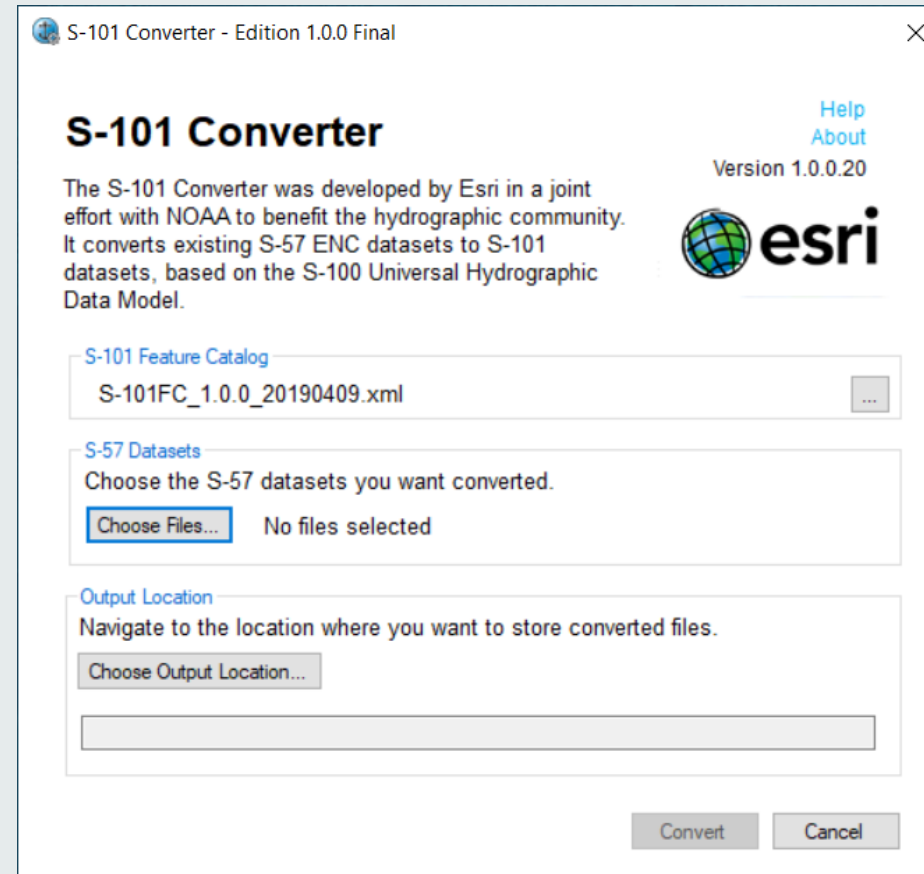
# Background

- **2010 – Jointly funded project with NOAA for IHO**
  - Prove data can be converted between standards
  - Support Testbed
  - Provide operational solution to IHO member states
- **2015 – S-101 draft specification**
  - S-100 Edition 2.0.0
- **Numerous updates to support testbed based on feedback**



# S-101 Edition 1.0.0

- **2019 – S-101 Edition 1.0.0**
  - S-100 Edition 4.0.0
- **S-100 TSM6 Update Paper**
  - Enhancements
  - Guidance required
  - Recommendations
- **IIC-T Converter Study**
  - Identifies additional gaps
  - Provides recommendations

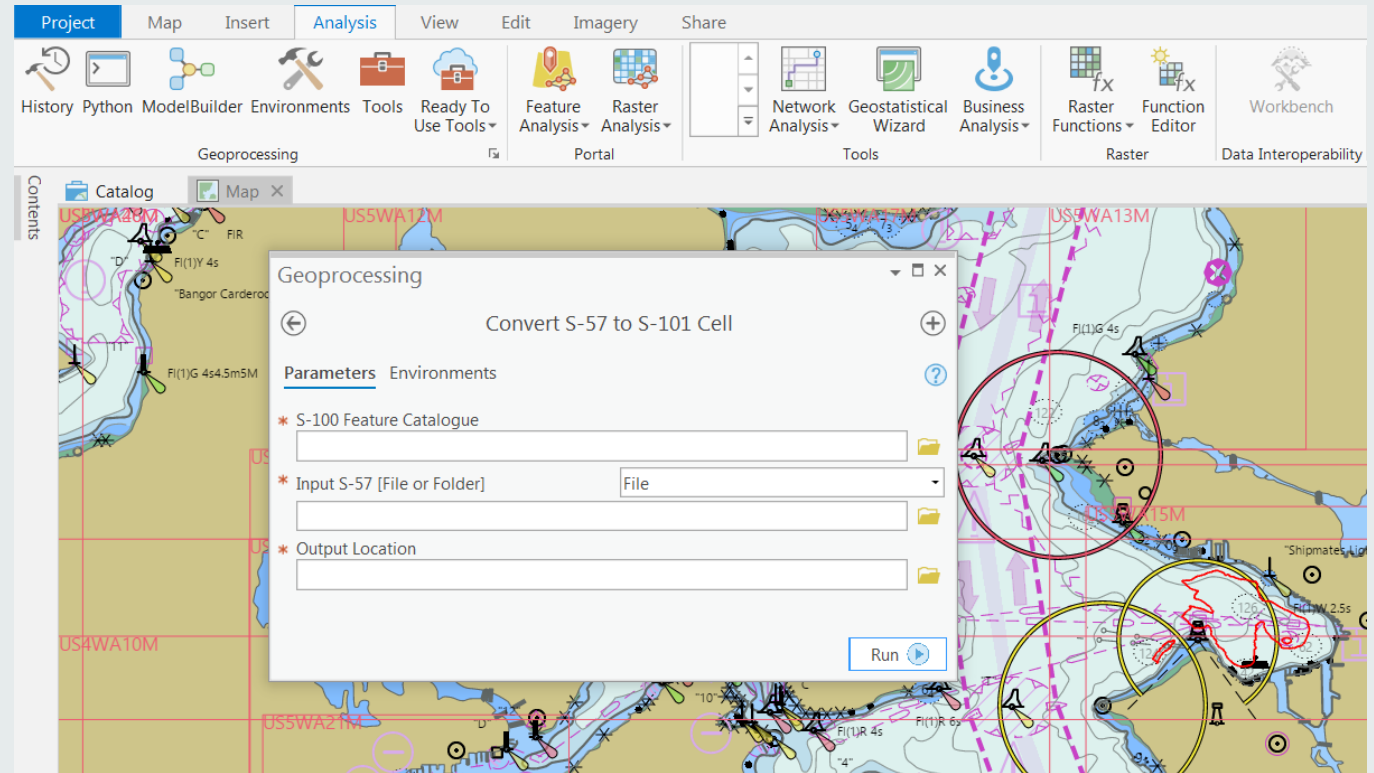




| Components                             | Edition 1.0.0 (2018)   | Edition 1.X.X <b>2020</b>                                 | Edition 2.0.0 (2022)         |
|--|--|---|------------------------------|
| Main Documentation                     | ✓  | ✓   | ✓                            |
| Feature Catalogue                      | ✓  | ✓   | ✓                            |
| Portrayal Catalogue                    | Partial  | ✓   | ✓                            |
| Validation                             | Partial  | ✓   | ✓                            |
| Data Classification and Encoding Guide | ✓  | ✓   | ✓                            |
| Encoding Format                        | ✓  | ✓   | ✓                            |
| Encryption                             |  | ✓   | ✓                            |
| Alerts and Indications                 |  | ✓   | ✓                            |
| Full Test Data Sets for Type approval  |  | Partial   | ✓                            |
| Notes                                  | Portrayal will be limited to S-52 rules translated to LUA (SRL =1) | Edition 1.X.X refines all the additional rules (SRL =2-3) | Operational Edition (SRL =4) |

# Operational Use

- **Continued support**
  - 1.1.0 2020
  - 2.0.0 2022
- **Increase capabilities**
  - ArcGIS Pro
  - GP Service





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