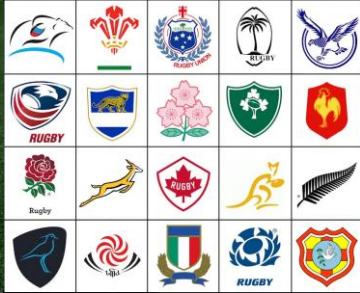# About North Road

Workflows for mixed Esri/Open Source environments

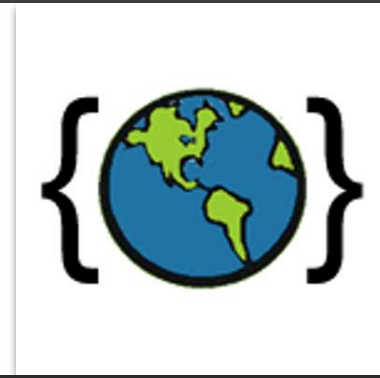NORTH ROAD

Em Hain

Play the ball, not the player!

Workflows for mixed Esri/Open Source environments

What formats should you work in?

ESRI

OSGeo

Always good -
but limitations

ESRI - lack of support
QGIS - High functionality

If you are mainly working
in ESRI products

Not for large datasets
Plain text commits
Accuracy limitations

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The need for the bridge.

WORKPLACE CULTURE || HOUSE SOFTWARE || SUPPLIED FORMATS || DELIVERY FORMATS || YOUR SKILLS || $$$$$

LARGE ORGANISATIONS || COMMUNITY RESPONSIVENESS || BOUTIQUE FIRMS || OPEN SOURCE GEO MARKET

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Bridging solutions

Internal developments

Paid Services

Free Services

SLYR (community edition)
- Annotations
  - Convert annotation classes to GeoPackage (beta)
  - Convert annotations (beta)
- ArcGIS Pro
  - Convert GPL color palette to stylx
  - Convert QGIS style XML to stylx
  - Convert stylx to GPL color palette
  - Convert stylx to QGIS style XML
- AVL styles
  - Convert AVL to QML
- Data conversion
  - Convert project data to GPKG (beta)
- Hyperlinks
  - Extract hyperlinks to tables
- LYR datasets
  - Convert LYR to QGIS style XML
  - Convert LYR to QLR
  - Convert LYR to QML
  - Set style from LYR file
- MXD documents
  - Add layers from MXD to project
  - Convert MXD/MXT to QGS
  - Convert MXD/MXT to QGS and data to GPKG (beta)
  - Export document structure
- PMF published maps
  - Convert PMF to QGS
- SDE documents
  - Extract SDE connection details
- Style databases
  - Convert ESRI style to GPL color palette
  - Convert ESRI style to QGIS style XML
- SXD documents
  - Convert SXD to QGS (2D)

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Styling

SLD QLRX SLYR

Styled Layer Descriptor   QGIS Plugin GitHub   QGIS Plugin North Road

arcmap2SLD   ArcGIS Pro .lyrx   .avl .lyr .lyrx

SLYR tool tree:

- ◆ SLYR
  - ▾ Annotations
    - ✦ Convert annotation classes to GeoPackage
    - ✦ Convert annotations
  - ▾ ArcGIS Pro
    - ✦ Convert APRX to QGS
    - ✦ Convert GPL color palette to STYLX
    - ✦ Convert layer to LYRX
    - ✦ Convert LYRX to QLR
    - ✦ Convert LYRX to QML
    - ✦ Convert MAPX to QGS
    - ✦ Convert QGIS style XML to STYLX
    - ✦ Convert QGS to MAPX
    - ✦ Convert STYLX to GPL color palette
    - ✦ Convert STYLX to QGIS style XML
  - ▾ AVL styles
    - ✦ Convert AVL to QML
  - ▾ Data conversion
    - ✦ Convert project data to GPKG
  - ▾ Hyperlinks
    - ✦ Extract hyperlinks to tables
  - ▾ LYR datasets
    - ✦ Convert LYR to QGIS style XML
    - ✦ Convert LYR to QLR
    - ✦ Convert LYR to QML
    - ✦ Set style from LYR file
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    - ✦ Add layers from MXD to project
    - ✦ Convert MXD/MXT to QGS
    - ✦ Convert MXD/MXT to QGS and data to GPKG
    - ✦ Export document structure
  - ▾ PMF published maps
    - ✦ Convert PMF to QGS
  - ▾ SDE documents
    - ✦ Extract SDE connection details
  - ▾ Style databases
    - ✦ Convert ESRI style to GPL color palette
    - ✦ Convert ESRI style to QGIS style XML
  - ▾ SXD documents
    - ✦ Convert SXD to QGS (2D)

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ArcGIS Online and Portal

QGIS/R/GDAL/Leaflet/QField/OpenLayers/GeoPandas

Read

Direct
ArcGIS Online
Portal
ArcGIS Rest API

Edit

Online with native editing tools
Edit vectors on AGOL or Portal

Connect & Authenticate

Full graphical support via browser

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Future needs and wants

Your turn…
any ideas?

Rasters in GDB

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How to get it developed

QGIS Commercial Support page   Put in a feature request at GitHub   Funding sources
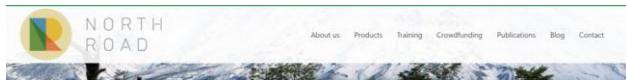

Grants

Crowdfunding

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CARTOGRAPHY AND SPATIAL ANALYSIS

QGIS 3.28 improvements for working with ESRI formats and services

POSTED ON NOVEMBER 24, 2022 — QGIS

The QGIS 3.28 release is an extremely exciting release for all users who work in mixed software workplaces, or who need to work alongside users of ESRI software. In this post we'll be giving an overview of all the new tools and features introduced in 3.28 which together result in a dramatic improvement in the workflows and capabilities in working with ESRI based formats and services. Read on for the full details...!

Before we begin, we'd like to credit the following organisations for helping fund these developments in QGIS 3.28:

- Naturstyrelsen, Denmark
- Provincie Gelderland, Netherlands
- Uppsala Universitet, Department of Archaeology and Ancient History
- Gemeente Amsterdam
- Provincie Zuid-Holland, Netherlands

FileGeodatabase (GDB) related improvements

The headline item here is that QGIS 3.28 introduces support for editing, managing and creating ESRI

Recent Posts

QGIS 3.28 improvements for working with ESRI formats and services

SLYR Update — November 2022

Creating circular insets and other fun QGIS layout tricks

Crowd funding alert: Point Clouds, Elevation Profiles and 3D Map view improvements!

Securely accessing ArcGIS Online (AGOL) and enterprise ArcGIS Portal sites through QGIS (2022 update!)

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