



#### **AGENDA**

Help the FME Lizard find a new office!

- Mission 1:
  - Find how many FME Users are in each city
- Mission 2:
  - Find which city is warm and dry
- Mission 3:
  - Find which city has the most vegetation
- Mission 4:
  - o Find Zipster
- Choose the office Demo
- FME Highlights





But where should its next office be?

FME to the Rescue!

Let's build a workspace to help the FME Lizard find a new office. (Caveat: the FME Lizard is picky and has very specific needs.)







## **FME Lizard's New Office: Location Selection Criteria**

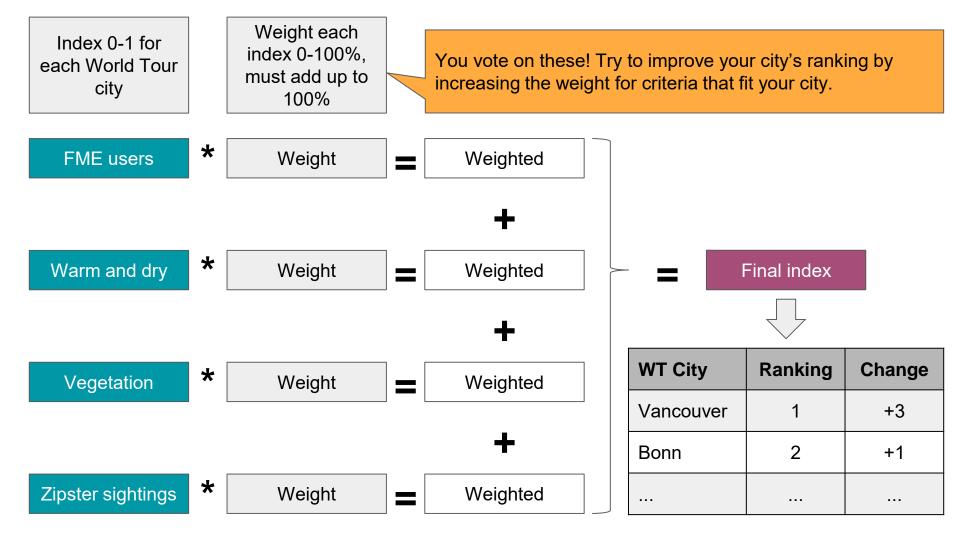
- 1. FME Lizard likes FME users and wants them nearby.
- 2. Warm and dry.
- 3. Fresh supply of vegetation.
- 4. FME Zipster sightings.







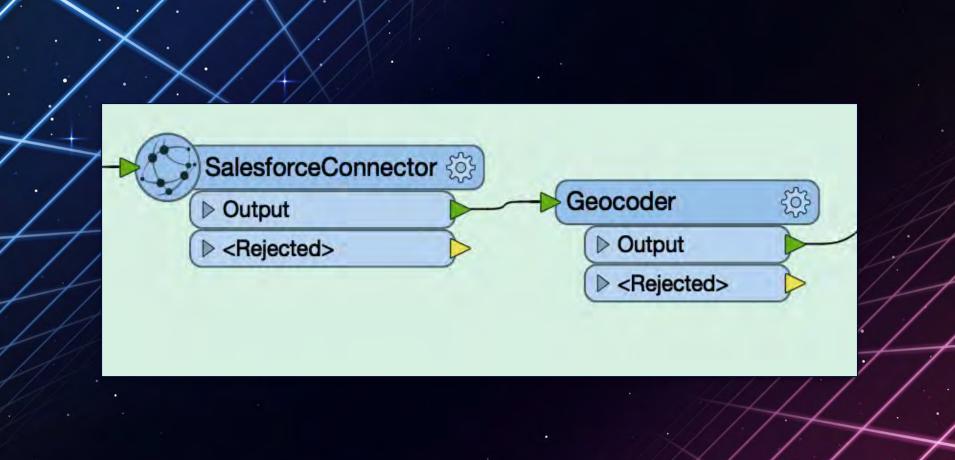
- Generate index ranking all FME World Tour cities.
- You can game the system by assigning a weight to the indexes.
- Vote at <u>fme.ly/wtvote</u> now!

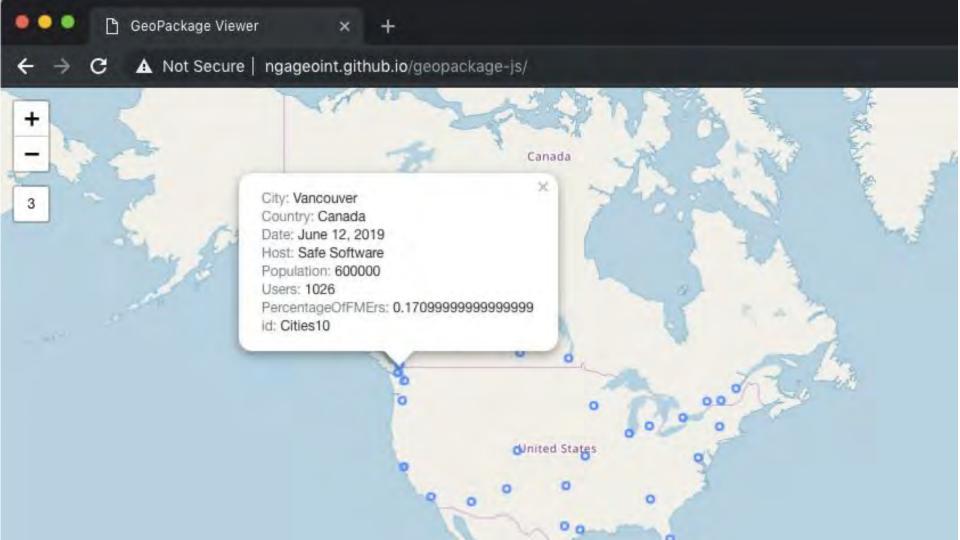


#### Mission 1

How many FME Users are in each city?



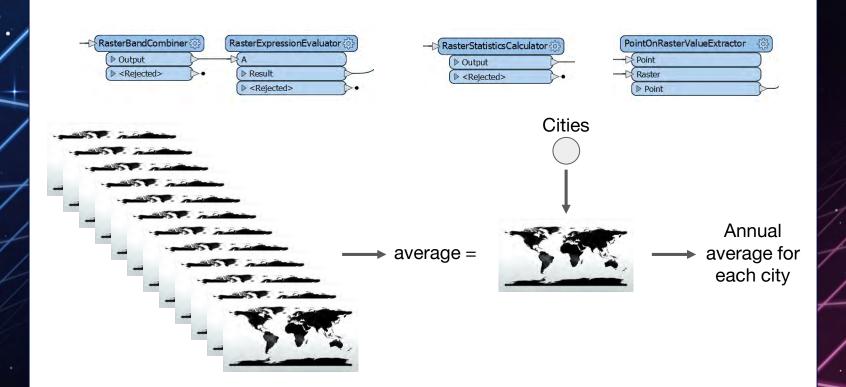








Fick, S. E., & Hijmans, R. J. (2017). WorldClim 2: new 1-km spatial resolution climate surfaces for global land areas. *International Journal of Climatology*, *37*(12), 4302-4315.

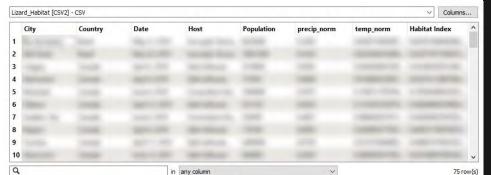


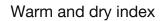




Temperature raster

Precipitation raster



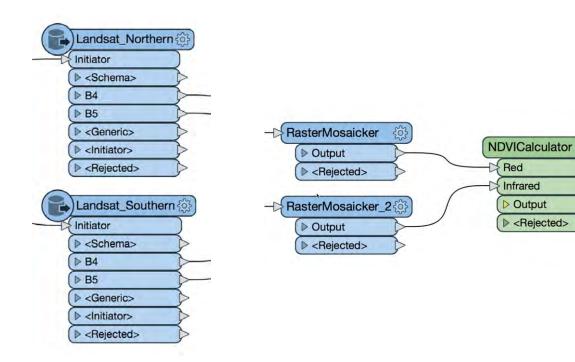




#### Mission 3

What city has lots of vegetation?







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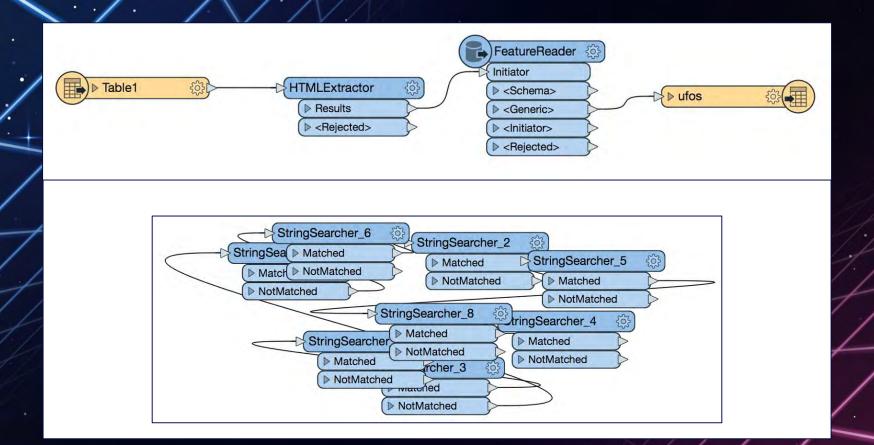
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## Mission 4

Where is Zipster?















#### **Demo Recap**

- Integrated multiple sources
- Transformation tips and tricks:
  - Feature Caching and Partial Runs
  - Visual Preview
  - Bookmarks and Annotations
  - Database and Web Connections
  - FeatureReader and FeatureWriter
- Displayed data in a friendly way

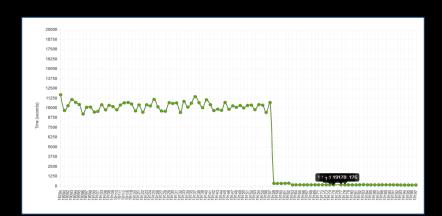




#### **Performance**

"EVERY FME RELEASE WILL BE **FASTER THAN THE PREVIOUS** OR WE WON'T SHIP IT!"

Dale Lutz / Don Murray 2018+

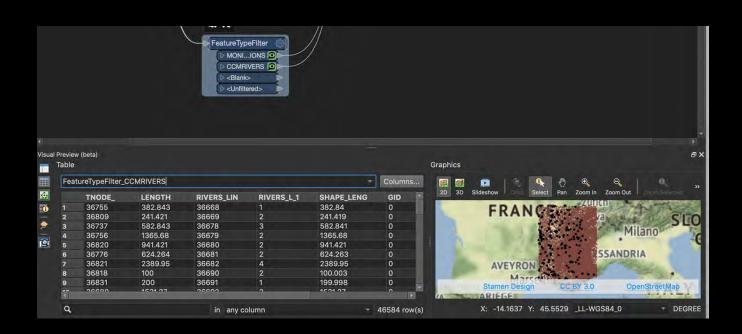


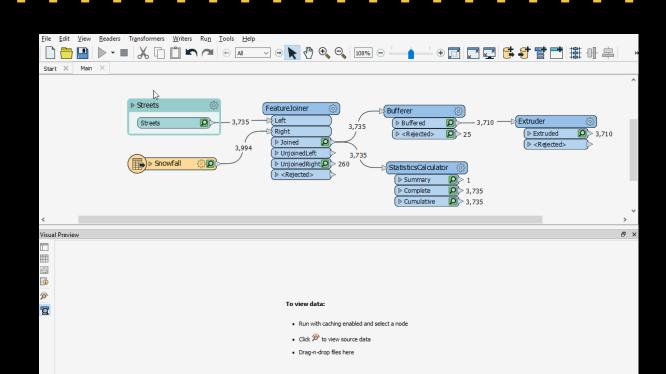




### FME 2019: The Interface

#### **Dark Mode**



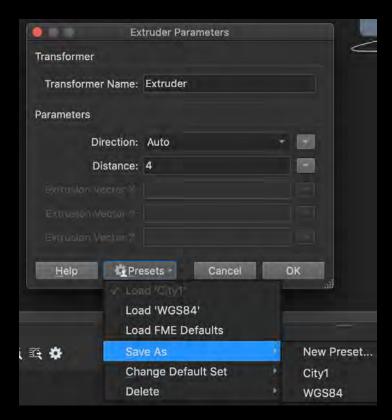


#### **Visual Preview**

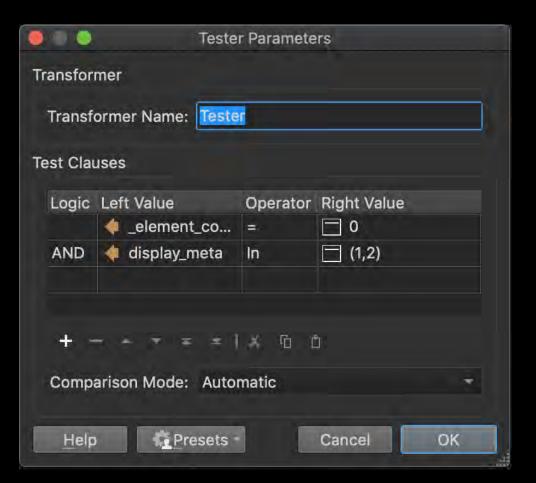
#### **Animate Mode**



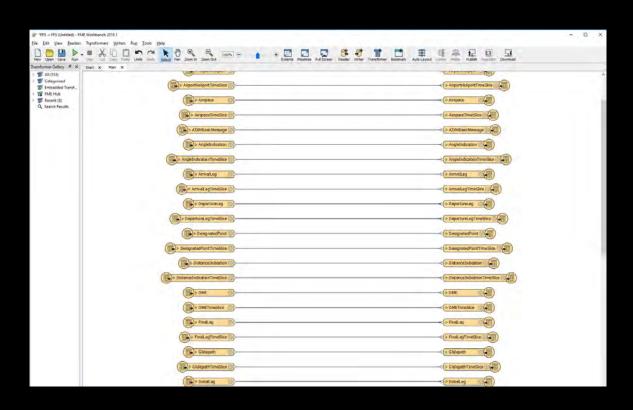
#### Save Parameter **Presets**



## **Tester** transformer

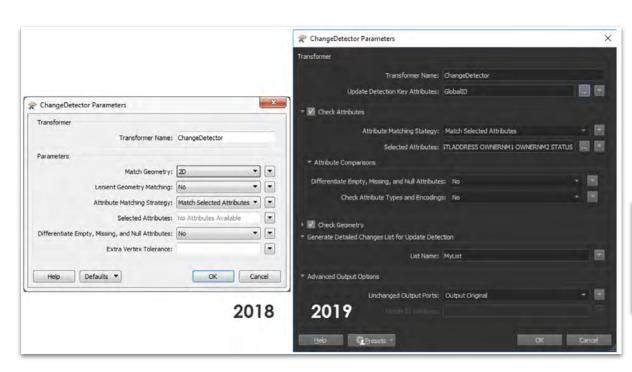


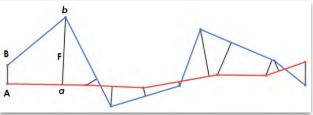
#### **Auto-sized Transformers & Feature Types**



# New in 2019

#### ChangeDetector





#### **Decompression**



#### **DGN Mesh Reading**







TopoJSON DWML (R) Socrata (New API) OGC WCS Garmin POI Binary® FME AR(R)

#### **New Connectors**

- AzureBlobStorageConnector
- AzureFileStorageConnector
- CesiumIonConnector
- CityworksConnector
- GoogleCloudStorageConnector
- S3Connector
- AzureQueueStorageConnector (coming soon)
- KafkaConnector (coming soon)
- TrelloConnector (coming soon)

















#### **FME Packages**

Delivering transformers, reader/writers, and connections to you *faster*.

- Zipped .fpkg files available via <u>FME Hub</u>.
- Get fixes and new features into your hands within hours, not months.
- Developers can contribute their own content to FME.
- Currently released as FME Packages:
  - S3Connector
  - CesiumIonConnector
  - RasterObjectDetector series
  - NLP series



## THEEND

