Flash update on:

The GRUAN Lidar Product
As of Fall 2021

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GRUAN Lidar Product: Progress Status in 1 slide

⚠ Not much "GRUAN-dedicated" work in 2021 due to disruption of normal business and lack of availability…

✓ In 2020, data processor (GLASS) went from development to production stage

✓ In 2020, raw data automatically transferred from Payerne to processing center (JPL-TMF)

✓ In 2020, test data from Payerne, Ny-Aalesund, Cabauw lidars ingested (together with many other lidars on non-GRUAN sites)

NEW FROM LAST YEAR…

⚠ In 2021, automated transfer from Payerne to JPL-TMF got interrupted due to transfer protocol changes on Payerne's end ➔ NOT RESOLVED (suspected firewall issues)

NO CHANGE FORM LAST YEAR…

✗ No progress in auto data transfer set up from other sites (Cabauw, Ny-Aalesund) (more/better response needed from site lidar representatives!)

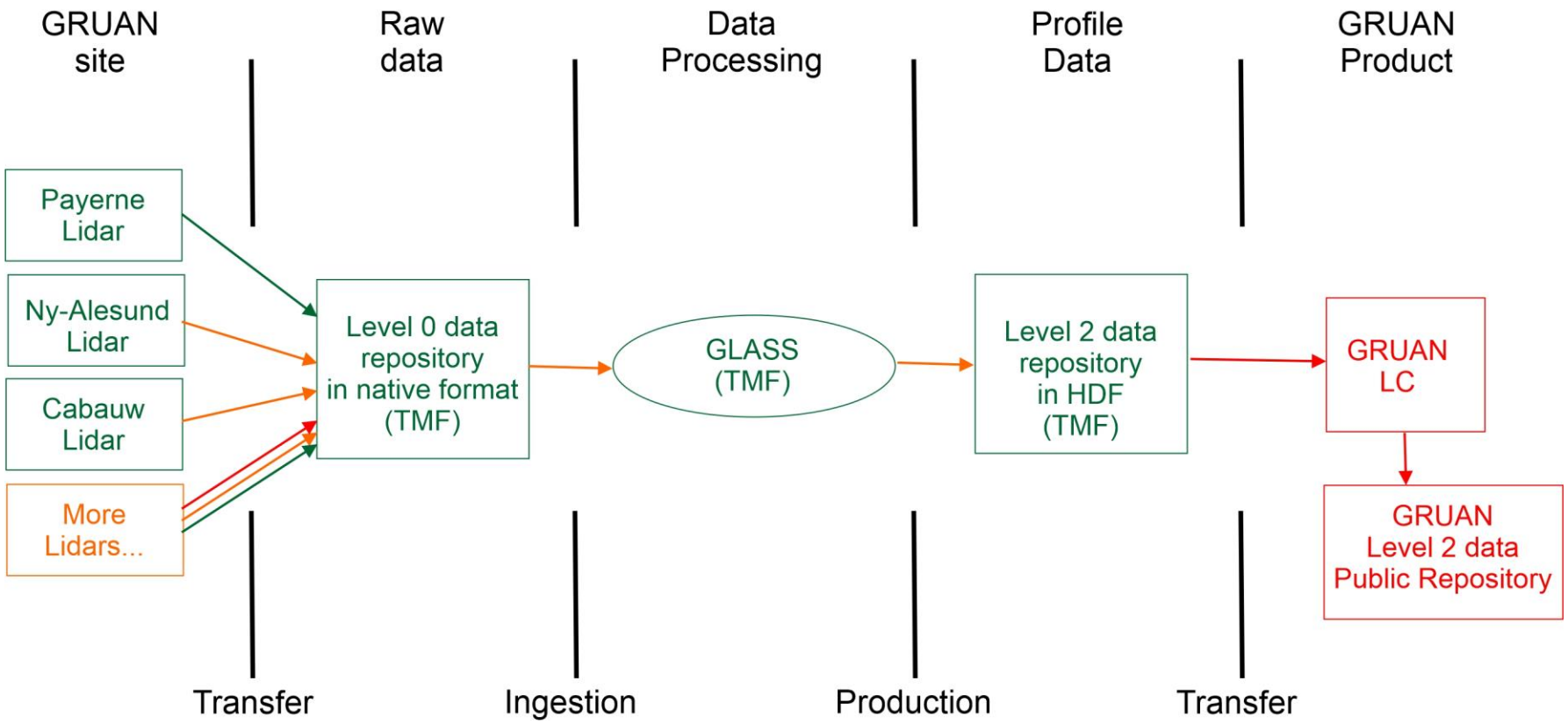
✗ Homogenization of meta data (e.g., through LidarRunClient) requires dedicated manpower, not available at this time

✗ No progress in the (LC-suggested) raw data conversion to NetCDF

✗ No progress in the setup of automated raw data transfer to GRUAN LC

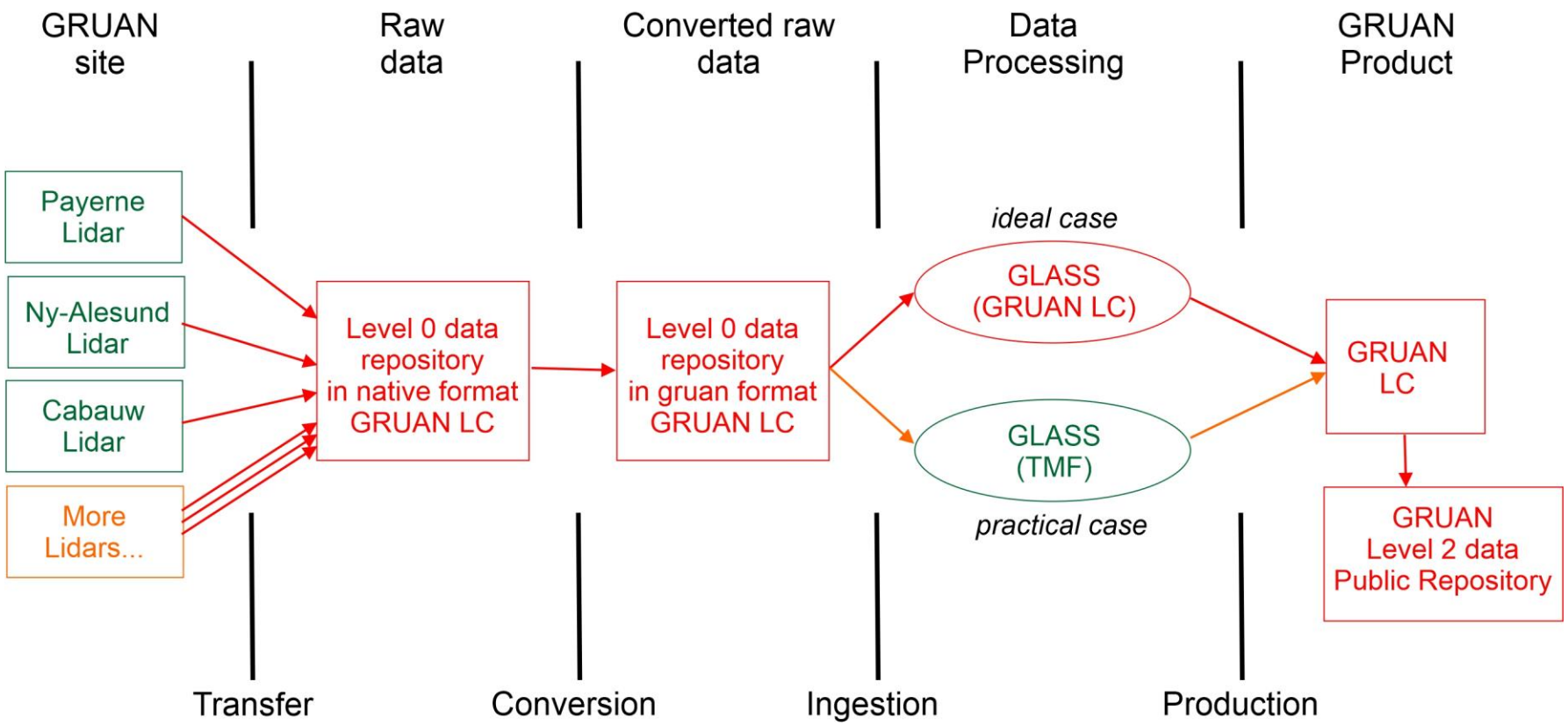
GRUAN Lidar Data Flow: Status Quo

green = Operational and/or automated
orange = Has happened, on a case-by-case basis, need to gear up
red = Not in place, need serious work efforts



GRUAN Lidar Data Flow: Current vs. Expected

green = Operational and/or automated
orange = Has happened, on a case-by-case basis, need to gear up
red = Not in place, need serious work efforts



GRUAN Lidar Product: 2022 expectations in 1 slide

1. Set up **automated** data transfer from lidar sites to GRUAN LC

2. Set up **automated** data transfer from GRUAN LC to TMF

3. Initiate **systematic** data processing for several sites AFTER raw data transfer issue is resolved

➔ TT-GB Members with expertise in lidar should **actively** contribute to items 1 through 3, and hopefully more…

➔ Help from GRUAN LC required to initiate (1) and (2)…