Data sharing
EMBL: lamellae data contains multiple datasets.
Why not share it? It's so difficult to get the data that we should make sure we get all we can out of it.

In Instruct, data is for free, it could happen

SciLife: Suggest to users to share the data

MPI-Tubingen: general rule. After a certain amount of time, you have to make data publicly available.
Other fields share data after a certain amount of time.
Re-processing available data.
For how long should data be private?
Tomography data sharing would be invaluable

eBIC: same discussions 10 year ago with Single particle. It's going to happen at some point.
Most people are publicly funded so it should happen.

EMBL: if data collection is free, why data should not be available

Data storage
Which data to keep? Who is storing the data and where?

Spain: metadata with raw data.
eBIC: keeping data online to allow users to download it.
EMBL: what should we store for tomography? Storing raw data, and re-processing it could take weeks and lots of efforts. Why not aligned tomograms? Should all processing parameters be uploaded as well? Why not share the full workflow with the data?
An embargo time would be needed.
A minimum would be the workflow that allowed to reach this pont.

In EMPIAR, there is a detailed description of the processing (even if some things are missing like coordinates for picking SP particles).

For how long do you keep data?
10 years is the rule for public funding.

EMBL: what is raw data? The data is already processed by the camera.
The facility doesn't own the data, and storing aligned averages is usually enough. Reaching a bit better resolution in a few years will not change the biological story in most cases.

With industrial partners, confidentiality is key.
Sometimes, when there is a shared room with all controls, it can be difficult to keep everything private.
Leeds: you can place screen cover for privacy.
File Format

EMBL: uncorrected LZW compressed TIFF.
Just do motion corr and polishing later (don’t do motion corr 2, waste of time).

eBIC: EPU also writes ungained corrected with K2 data. No compression, but it already saves space.
Thermo Fisher is working on a similar approach for F3 data but no timeline for a release.
TF says that a few years back the community decided MRC 2014 should be the standard. So EPU writes MRC.
If tiff was the standard, EPU would write TIFF.
This is independent to compression.