Finally there are some other technical challenges, how to fix a secure or automated data transfer. How would big data algorithms operate without big data servers, does this need innovation in a different area...?

The European Commission is playing a major role in supporting Solid by setting Technical interoperability standards:

Technical interoperability can be achieved by agreeing on data standards over the different member states in the European Union. The resources description framework will be an important factor.

But the European Commission will also play a role in setting the Semantic interoperability standards by defining vocabularies that are widely used.

And the Commission will need to support Organisational and Legal Interoperability to define a legal structure around any new initiative or project.

In general, the role of the European Commission and more particularly SEMIC will be focused on supporting new initiatives that aim to redefine the data ecosystem.