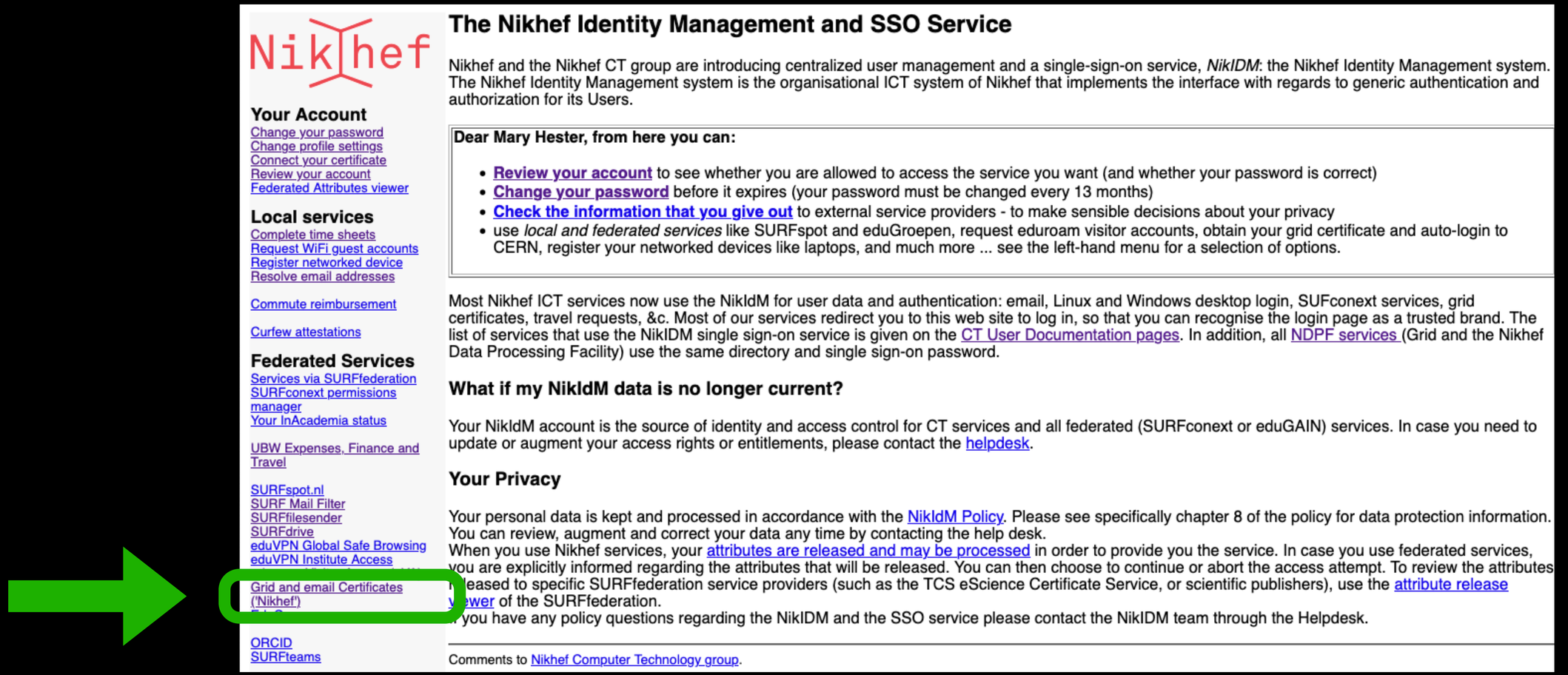
Getting your certificate

1. From https://sso.nikhef.nl/ - Click on Grid and email Certificates (‘Nikhef')



2. Choose Nikhef has your institute and ‘Proceed to Cert Manger’

3. Choose:

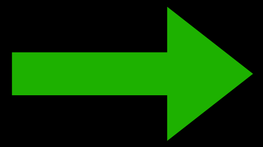
- Certificate Profile: GEANT IGTF-MICS Personal
- Term: 395 days
- Enrollment Method: Key Generation
- Key Type: RSA-4096
- *Choose your own password*

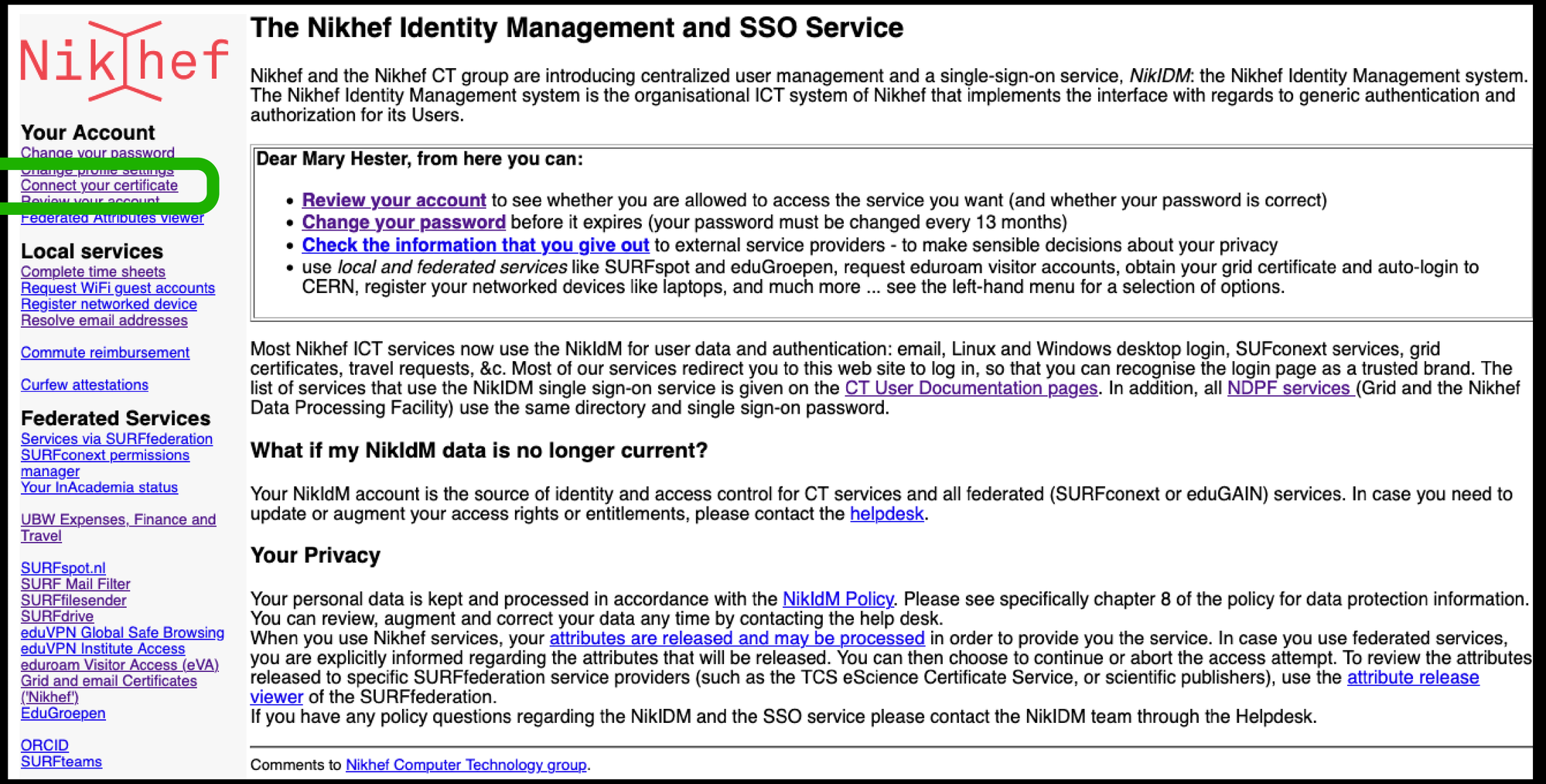
4. Follow steps 10-21 here: https://ca.dutchgrid.nl/tcs/TCS-enduser-request-guide-NL.pdf

5. Verify your identity has been added to the browser by going to:

https://www.eugridpma.org/your-identity/

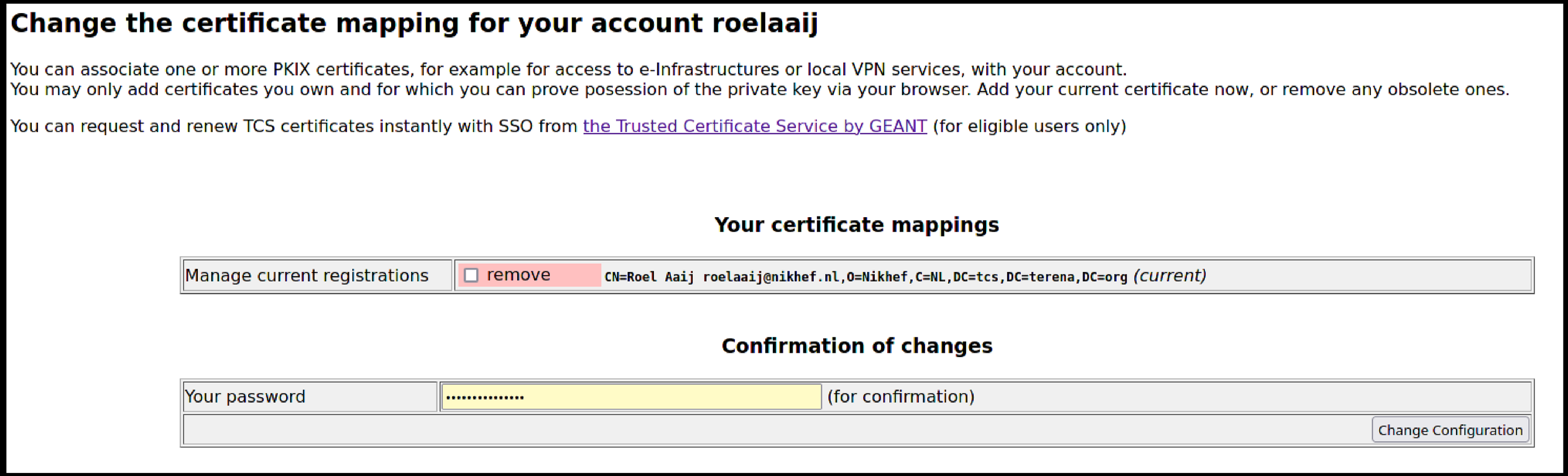
6. Go back to https://sso.nikhef.nl/ and “Connect your certificate” from the browser that your certificate was imported to.





7. Click the check-box to add your DN to Nikhef’s LDAP

8. Enter your login password (not the certificate password) and click “Change Configuration”



Benefits for using the certificates:

- Submit grid jobs through your experiment’s infrastructure
- Fewer username/password entries: If using the browser with your certificate to get to Nikhef SSO resources (i.e., gitlab, jupyterhub, etc.), no need to type in your username/password!
- Can use the IGTF proxy to login to CERN resources through eduGAIN login.
- Can use web access to Nikhef dCache after email to stbc-admin@nikhef.nl to register user DN.

Additional resources:

- https://ca.dutchgrid.nl/tcs/

Getting your VOMS credentials (for experiments that use GRID):

- **ALICE**
  https://voms24.cern.ch:8443/voms/alice/register/start.action
- **ATLAS**
  https://voms24.cern.ch:8443/voms/atlas/register/start.action
- **KM3NeT**
  https://voms02.scope.unina.it:8443/voms/km3net.org/register/start.action
- **LHCb**
  https://voms24.cern.ch:8443/voms/lhcb/register/start.action
- **Virgo**
  https://voms.cnaf.infn.it:8443/voms/virgo/register/start.action
- **Xenon**
  https://voms.grid.sara.nl:8443/voms/xenon.biggrid.nl/register/start.action

- Note registering your certificate for VOMS requires approval (by a person somewhere)!
- Once your experiment approves your registration, they will have further instructions that are experiment specific.
- ATLAS:

  https://atlassoftwaredocs.web.cern.ch/ASWTutorial/basicSetup/grid_vo/
- LHCb:

  https://twiki.cern.ch/twiki/bin/view/LHCb/FAQ/Certificate
- ALICE:

  https://alice-doc.github.io/alice-analysis-tutorial/analysis/lego.html
- Virgo:

  https://hackmd.io/@gfronze/HyAyCDrf8