

# FRANCESCO FRASSINELLI

Also known as "Frafra"



## WebGIS/Python developer & FLOSS lover

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## EXPERIENCE

### WebGIS/Python developer

#### NINA - Norsk institutt for naturforskning

📅 September 2018 - ongoing    📍 Trondheim, Sør-Trøndelag, Norway

- Building up data management infrastructure for the COAT (Climate-ecological Observatory for Arctic Tundra) project
- Assist researchers in designing and programming solutions for collecting, storing, visualizing and sharing data

CKAN    Docker    GeoNode    Git    Python

### Web/Django developer

#### Kjuicer Srl

📅 March 2015 - June 2018    📍 Milan, Lombardy, Italy

- Full-stack developer for the first version of the Kjuicer webapp
- Focused on back-end (Django + PostgreSQL + Linux)
- Co-founder of Kjuicer Srl

Django    Git    Python    PostgreSQL    Web

### Python specialist, Control project engineer

#### CERN - Conseil européen pour la recherche nucléaire

#### TE-CRG-CE - Cryogenics, controls & electrical support

📅 April 2016 - July 2016    📍 Meyrin, Geneva, Switzerland  
📅 March 2013 - August 2013

- Jenkins cluster setup for CI for LHC
- Development of new tools for validation and automation
- Migration from UNICOS CPC 5 to the 6th version
- Worked with both Siemens and Schneider PLCs
- Jenkins 2 migration for PLC code automatic generation
- Development of new tools for code static analysis and Unity projects

Jenkins    PLC    Python

### Other working experiences

Consapevolezza Srl, ServeurLibre, Istituto Paccini, various consultancies

## FAVORITE QUOTE

*"We choose to go to the Moon in this decade and do the other things, not because they are easy, but because they are hard." - John Fitzgerald Kennedy*

## SKILLS

### Languages

Bash    C    C++    HTML/CSS/JS  
Java    LaTeX    Matlab    Octave  
Python    Rust    SQL    XML

### Softwares/frameworks

Django    Docker    Fedora    Git  
GNU    Jenkins    Linux  
PostgreSQL    Qt    SQLite

### Geoinformatics

CKAN    GeoServer    JOSM  
Leaflet    OpenStreetMap  
Osmium    PostGIS    QGIS  
Spatialite

### Misc

CNC    PLC    FLOSS licenses

## LANGUAGES

Italian    ●●●●●●●● C2  
English    ●●●●●●●● C1  
French    ●●●●●●●● B1  
Norwegian 🇳🇴 ●●●●●●●● A1

## EDUCATION

🌐 Master of Science in  
Geoinformatic Engineering 🇮🇹  
Politecnico di Milano

📖 Bachelor of Science in  
Engineering of Computing Systems  
Politecnico di Milano

## PUBLICATIONS

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### Journal Articles

- Minghini, M., M. A. Brovelli, and F. Frassinelli (2018). "An open source approach for the intrinsic assessment of the temporal accuracy, up-to-dateness and lineage of OpenStreetMap". In: *ISPRS - International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences XLII-4/W8*, pp. 147–154. DOI: 10.5194/isprs-archives-XLII-4-W8-147-2018. URL: <https://www.int-arch-photogramm-remote-sens-spatial-inf-sci.net/XLII-4-W8/147/2018/>.
- Fluder, Czeslaw et al. (2015). "Improved software production for the LHC tunnel cryogenics control system". In: *Phys. Procedia* 67, pp. 1134–1140. DOI: 10.1016/j.phpro.2015.06.176.

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### Conference Proceedings

- Kilsedar, Candan Eylül, Daniele Oxoli, Francesco Frassinelli, et al. (2017). "Humanitarian Mapping within a Student Association: PoliMappers". In: pp. 130–136. URL: <http://geomorfolab.arch.unige.it/geomaticsworkbooks/GW13.pdf>.
- Kilsedar, Candan Eylül, Daniele Oxoli, Lorenza Sganzzetta, et al. (2017). "PoliMappers: activities and objectives". In: *FOSS4G-IT*. (Genoa, Italy). URL: [https://www.researchgate.net/publication/313651028\\_PoliMappers\\_activities\\_and\\_objectives](https://www.researchgate.net/publication/313651028_PoliMappers_activities_and_objectives).
- Fluder, Czeslaw et al. (2014). "Improved software production for the LHC tunnel cryogenics control system". In: *Proceedings of 25th International Cryogenic Engineering Conference*. (University of Twente). Enschede, NL.
- Tovar-Gonzalez, A et al. (2014). "Validation of the data consolidation in Layout database for the LHC tunnel cryogenics controls upgrade". In: (ICALEPCS 2013). San Francisco.

## VOLUNTEERING

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### Mapper

#### **OpenStreetMap, PoliMappers, WikiMedia Italia**

 2008 – ongoing  Lombardy, Italy

- Tools, webapps and scripts for the OSM ecosystem
- State of the Map 2018 organizer/volunteer/speaker
- OpenStreetMap Coordinator for Lombardy region for 2018 H1
- Vice-president of PoliMappers from 2017 to 2018
- Technical officer of PoliMappers from 2016 to 2018
- OpenStreetMap active user since July 2008

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### Free software activist

#### **Various GNU/Linux user groups, Fedora Project**

 2003 – ongoing  Italy

- System administrator of FedoraOnLine.it since September 2017
- Fedora Maintainer since January 2014
- Fedora Ambassador since May 2011
- Many events, talks, thousands of posts and emails
- FSFE, ILS, GUGLI, Govonis, POuL, ViGLug, Slimp, BrigX, and others

## CERTIFICATES

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 IELTS band 7 (CEF C1)

**British Council**

## PATENTS

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 102015000062946

**Ministero dello Sviluppo Economico**

## LICENSES


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 European driving license, class B


**Motorizzazione Civile e dei Trasporti in Concessione**

## THINGS I BELIEVE IN


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 **Sharing**  
ideas and knowledge is critical for achieving consistent results

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 **Critics**  
allow you to improve yourself and the quality of your work (GNU/Linux is built on criticisms and patches)

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 **Humility**  
because if you think you reached the top you stop to learn