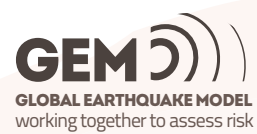


**OPENQUAKE**  
calculate share explore

Parroquia	QDNOELECTR	QDNOWATER	QNOBATH	HOUDENSITY	QMANUINDIUS	QCOMMERC
HUARANDA	33.613313	49.083941	16.673735	36.669129	3.535945	10.58186
ACUNDO V...	54.763537	79.712132	45.235362	8.996732	1.579670	0.96153
JULIO E. M...	59.244992	81.510015	53.394256	15.463391	0.594307	0.83472
ALINAS'	54.011345	75.526742	30.958904	5.255120	7.989348	3.37328
W LOREN...	38.799932	71.536524	26.873857	8.365859	0.375000	1.75000
N SIMON...	37.206179	62.323707	20.498084	15.404406		

**INTEGRATED RISK MODELLING TOOLKIT  
USER INSTRUCTION MANUAL**

Hands-on-instructions on the different functionalities of the Integrated Risk Modelling Toolkit



# CRAVE Project - User Manual

***Release 0.1***

**GEM Foundation**

**Aug 09, 2019**

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Contents:

This is a [link](#)<sup>1</sup>.

This is a code block:

```
$ sudo pip3.6 install matplotlib scipy
```

This is a warning block:

**Warning:** This is the content This is more content

And this is a note block:

---

**Note:** This is the content This is more content

---

If you have any gui label, you can use *this*.


You can have sections:

## 1.1 This is a section

You can add inline code: `python3-scipy`, `python3-nose`, `python3-coverage`, `python3-mock`

You can have bulleted lists:

- First

You can use cross references and inline images: \*  CRAVE

- Second

You can add numbered lists:

1. First
2. Second

You can insert figures:

---

<sup>1</sup> <http://www.google.it>

Run Calculation


List of calculations

Description	Job ID	Calculation Mode	Owner	Status	Console	Remove	Outputs	Continue
Classical PSHA with Characteristic Fault Source defined as sequence of planar fault segments	12	classical	travis	complete	Console	Remove	Outputs	Continue
Classical PSHA — Area Source	11	classical	travis	complete	Console	Remove	Outputs	Continue
Scenario Damage and Consequences Demo (Nepal)	10	scenario_damage	travis	complete	Console	Remove	Outputs	Continue
Scenario Hazard Demo (Nepal)	9	scenario	travis	complete	Console	Remove	Outputs	Continue
Stochastic Event-Based Risk Demo (Nepal)	8	event_based_risk	travis	complete	Console	Remove	Outputs	Continue
Stochastic Event-Based Hazard Demo (Nepal)	7	event_based	travis	complete	Console	Remove	Outputs	Continue
Classical Probabilistic Risk Demo (Nepal)	6	classical_risk	travis	complete	Console	Remove	Outputs	Continue

List of outputs for calculation 10

Id	Name				
41	Average Asset Damages	Download csv	Download npz	Load layer	Aggregate
42	Full Report	Download rst	Show		
43	Average Asset Losses	Download csv	Download npz	Load layer	Aggregate
44	Realizations	Download csv			

Download HDF5 datastore for calculation 10    Show parameters for calculation 10

Fig. 1.1:  Dialog to run the OpenQuake Engine server

You can add bibliography: [PMW+14] and [SCP+14]

Links:

[Code repository<sup>2</sup>](#)

[Bug tracker<sup>3</sup>](#)

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**Note:** This documentation is also available online at <http://docs.openquake.org/crave-docs/>

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<sup>2</sup> <https://github.com/gem/crave-docs>

<sup>3</sup> <https://github.com/gem/crave-docs/issues>

## BIBLIOGRAPHY

- [PMW+14] Pagani, M., Monelli, D., Weatherill, G., Danciu, L., Crowley, H., Silva, V., Henshaw, P., Butler, L., Nastasi, M., Panzeri, L., Simionato, M. and Vigano, V. OpenQuake Engine: An Open Hazard (and Risk) Software for the Global Earthquake Model. *Seismological Research Letters*, vol. 85 no. 3, 692-702
- [SCP+14] Silva, V., Crowley, H., Pagani, M., Monelli, D., and Pinho, R., 2014. Development of the OpenQuake engine, the Global Earthquake Model's open-source software for seismic risk assessment. *Natural Hazards* 72(3), 1409-1427.