**Main Links on landing page**

* What is ‘CLEWs’?
* Organisations
* Projects
* Publications
* *EMC? Page on CCG website is needed first…*

**Buttons / Links**

* Discourse
* LinkedIn
* YouTube
* OU Course
* GitHub
* Other?

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*What is CLEWs?*

* The Climate, Land, Energy and Water systems (CLEWs) framework represents an integrated approach to resource management that recognises the interconnected nature of land use, climate change, and energy choices. Gaining prominence since the early 2010s, CLEWs offers a holistic method for analysing complex resource interactions, particularly in the context of Sustainable Development Goals. International organizations like UNDESA and IAEA are promoting CLEWs through capacity building in the global south, and the framework is increasingly being incorporated into higher education curricula. While CLEWs can be applied using various modelling tools such as OSeMOSYS and LEAP, challenges remain in tool accessibility and building technical capacity, with both becoming key areas of development in recent years.
* *More needed? I assume the main CLEWs page will need images (etc.) too*

*Data (SDKs when we get there)*

* Should it be a dedicated page? Or just a link (to the SDK page) and short explanation?

*Key publications*

* Howells et al. (2013): <https://idp.nature.com/authorize/casa?redirect_uri=https://www.nature.com/articles/nclimate1789&casa_token=JwamE7ep96EAAAAA:rJ_maio_rkWXrRlGz3ZYeZGIDlLK7T-W3TJCyeREFZlFfFD7C2NJSBiXYHUAcKeBW-zXe8dG02ViE6C3Kg>
* Welsch et al. (2014): <https://www.sciencedirect.com/science/article/pii/S0306261913007277?casa_token=2W4BpZEz-KcAAAAA:gCHfym9-DQHf7EHcbXHDkXDrEgsDLPu0JMbsmjndJtTO_D6MBj47oMTqnS0CZ_aNNvfIPL_nAzw>
* Ramos et al. (2021): <https://iopscience.iop.org/article/10.1088/1748-9326/abd34f/meta>
* Ramos et al. (2022): <https://www.sciencedirect.com/science/article/pii/S1462901122002167>

*Recent publications*

* IAEA Handbook: <https://www.iaea.org/publications/15686/the-climate-land-energy-and-water-framework>
* Martindale et al. (2023): <https://www.mdpi.com/1996-1073/16/14/5539>
* *Can provide more based off my lit review (only first draft complete, still awaiting some reviewers)*

*Tools*

* OSeMOSYS
* LEAP / WEAP
* MESSAGE
* *Other?*

*Recent code modifications*

* OSeMOSYS: [UI](https://github.com/ClimateCompatibleGrowth/MUIO); [CLEWsGAEZ](https://github.com/OSeMOSYS/CLEWs_GAEZ); [Clewsy](https://github.com/OSeMOSYS/clewsy)
* MESSAGE: unknown (IAEA – not currently open source)
* [LEAP](https://www.sei.org/tools/leap-long-range-energy-alternatives-planning-system/) / [WEAP](https://www.sei.org/tools/weap/): new versions in 2024

*Organisations (steer comm)*

* CCG: <https://climatecompatiblegrowth.com/>
* UNDESA: <https://un-modelling.github.io/modelling-tools/> (I think they are updating also)
* KTH: <https://www.energy.kth.se/energy-systems/research-areas/integrated-climate-land-energy-and-water-systems-1.1183760> (this is outdated - last updated 2022)
* SFU: <https://www.sfu.ca/fas/research/fas-research-labs/delta-e/>
* IAEA: <https://www.iaea.org/topics/economics/energy-economic-and-environmental-analysis/climate-land-energy-water-strategies>
* Others? *Do we need a list of partner organisations (e.g. TTU, Kenya has now become heavily involved and doing a lot of work and then Anna University is now running their own capacity building for CLEWs)*

*Projects*

* IAM COMPACT: <https://www.iam-compact.eu/>
* EPIC-AFRICA: <https://www.epicafrica.eu/>
* DIAMOND: <https://climate-diamond.eu/>
* Include [OU courses](https://www.open.edu/openlearncreate/course/view.php?id=12276) (etc.) here?

*Discourse forum*

* Add Link (button at the top and bottom of the home page)
* Short explainer on what discourse is?
* Short explainer on the purpose / use of discourse?
* *(just to note) PypsaMeetsEarth uses Discord*