

GI Pedagogy

Section 3

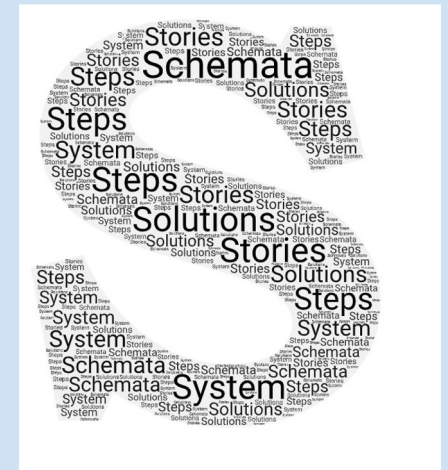
**An innovative model using
geoinformation for teaching about
sustainability**



Why use GIS?

GIS is as a powerful tool for storytelling, as well as for the exploration of geographical enquiry.

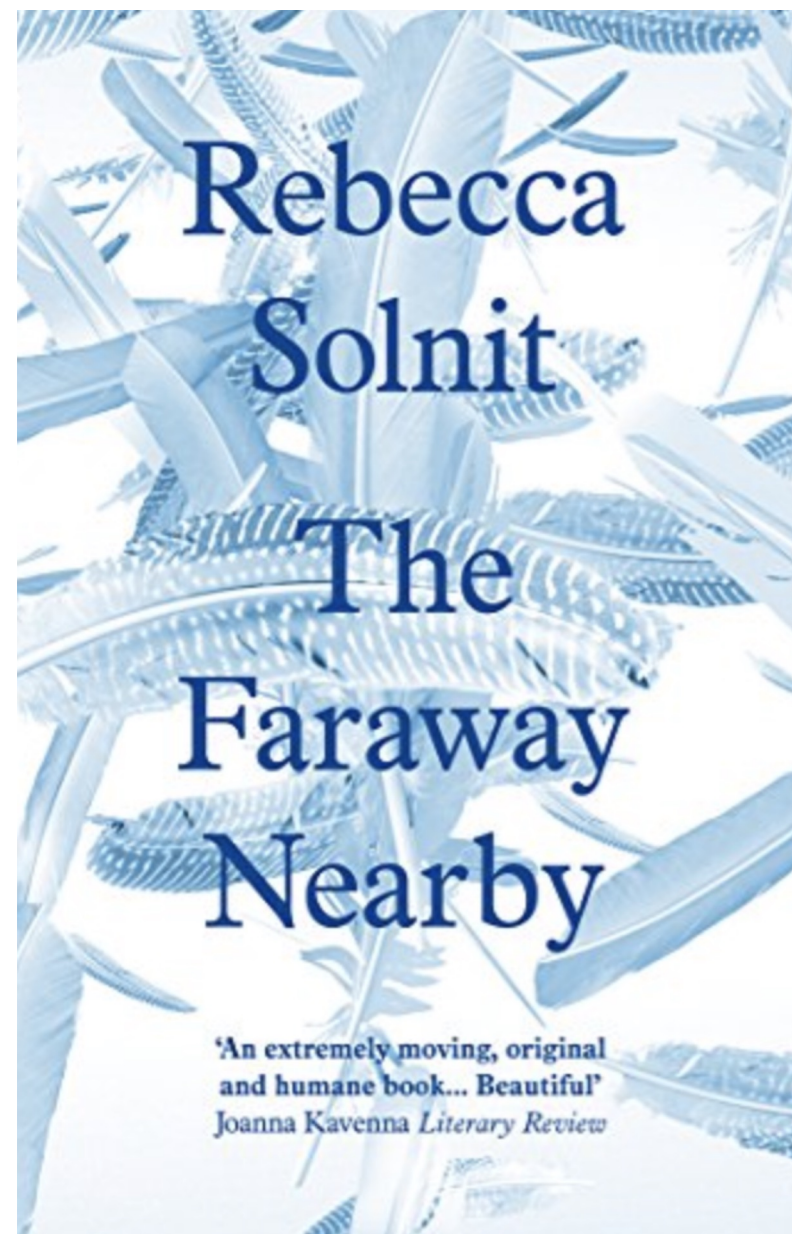
GIS is a way to capture and tell stories, and to interrogate data. Patterns which might otherwise remain hidden can be uncovered.



Rebecca Solnit

Stories are compasses and architecture; we navigate by them, we build our sanctuaries and our prisons out of them, and to be without a story is to be lost in the vastness of a world that spreads in all directions like Arctic tundra or sea ice.

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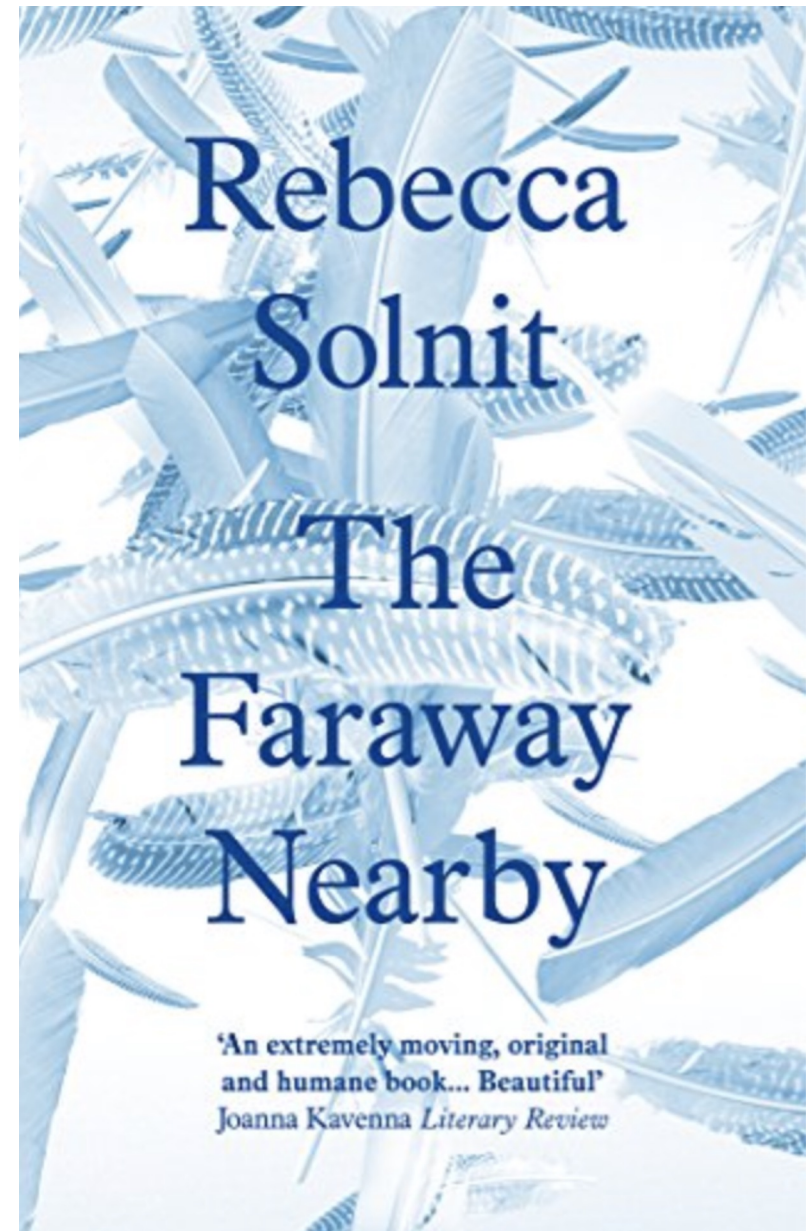


<https://www.kqed.org/forum/201307031000/rebecca-solnit-on-the-power-of-storytelling>

Rebecca Solnit

Which means that a **place** is a **story**, and **stories** are **geography**, and empathy is first of all an act of imagination, a storyteller's art, and then a way of traveling from here to there.

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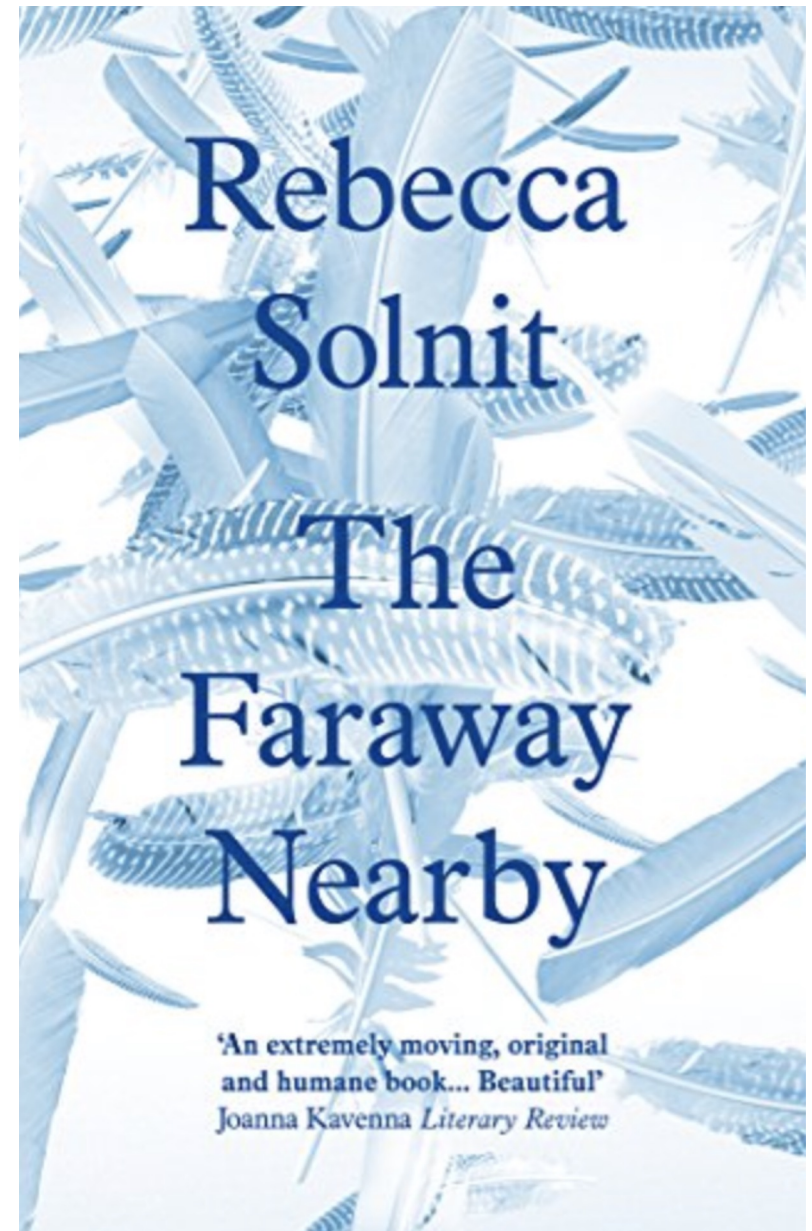


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Rebecca Solnit

We think we tell stories, but stories often tell us, tell us to love or to hate, to see or to be blind.

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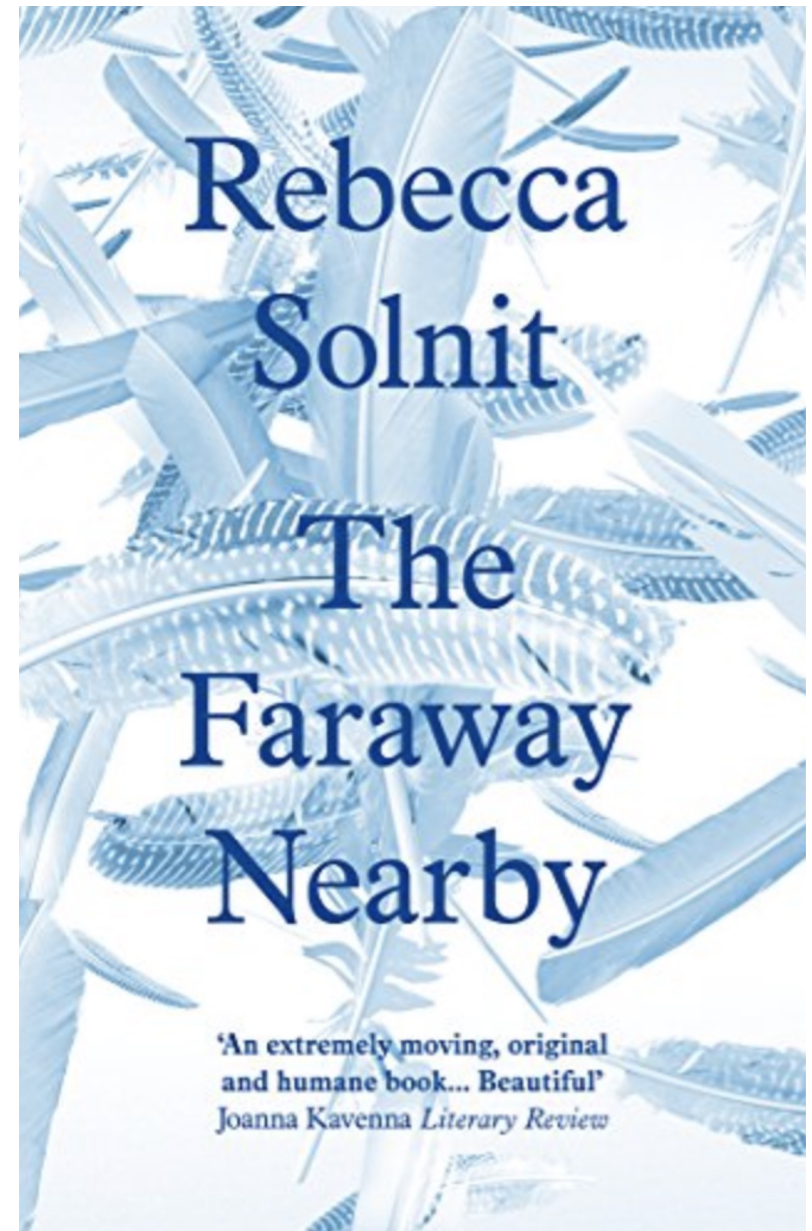


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Rebecca Solnit

Often, too often, stories saddle us, ride us, whip us onward, tell us what to do, and we do it without questioning. **The task of learning to be free requires learning to hear them, to question them, to pause and hear silence, to name them, and then to become the storyteller.**

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Use of GIS

GIS is used in

- **Government offices**
- **Insurance and finance**
- **Healthcare**
- **Logistics**
- **& numerous other (business) locations.**



GIS and you

What GIS tools do you have experience of using, both in work and in everyday life.



GIS in Education

Use of GIS requires a GIS tool

Many educational institutions use free online tools

- **ArcGIS Online is FREE for EU and UK schools** www.esri.com/en-us/school-program-europe/overview
- **Eurostat Atlas**
- **National GI services**
- **World bank etc**



GIS in Education

Use of GIS in teaching requires:

- Relevant questions to answer or problems to solve
- Base maps (geodata)
- Data (primary or secondary)
- A suitable pedagogical approach for YOUR teaching
- Teacher training and confidence in using GIS



Free GIS resources

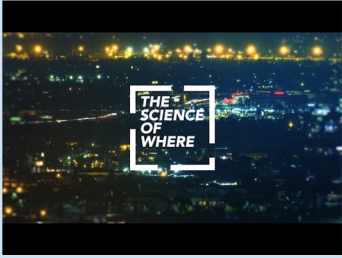


Base maps

e.g Living Atlas

<https://livingatlas.arcgis.com/>

Thousands of maps and layers to use for free!



Uses of GIS in your teaching



- Which of these uses of GIS do you think would be of greatest interest to your pupils?
- Which examples will make your teaching easier? More effective? And more fun ;)?
- Which of these are useful for a better understanding of real world challenges?