

Alternative Models of Contribution

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Presentation to The Future World Heritage Digital Mathematics Library: Plans
and Prospects
June 2, 2012. Washington DC

Design Platform

Knowledge
recoding

Editing

Who gets to contribute?

Who gets to contribute?

Editing

Open

Selected

Open

Selected

Knowledge
recoding

Wikipedia	Oxford English Dictionary Academic publications
Foldit	New York Times Encyclopedia Britannica

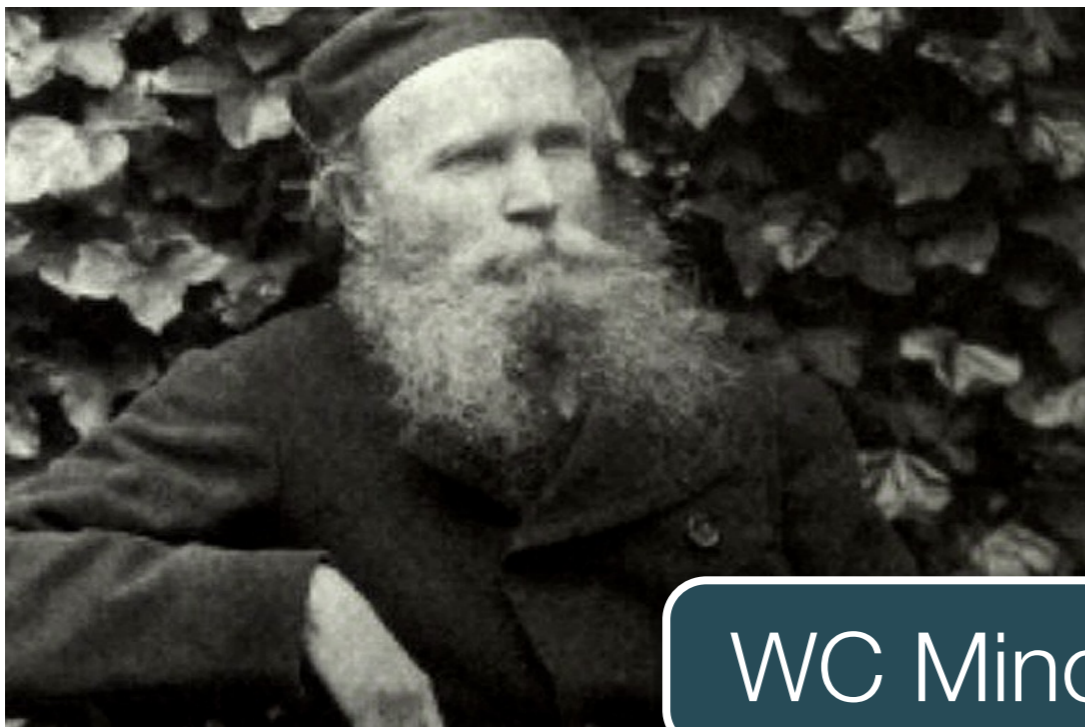
Motives for Contribution

- Money
- Awards and recognition
- Ownership and control
- Intrinsic motivation
- Public good: last person standing vs free riding



Oxford English Dictionary

- First crowd-sourced project
- Volunteer researchers
- Millions of slips sent in, checked and catalogued
- Varied contributors



WC Minor

Toad-eater (tōw'd, ī-tāi).

1. One who eats toads; *orig.* the attendant of a charlatan, employed to eat or pretend to eat toads (held to be poisonous) to enable his master to exhibit his skill in expelling poison.

1629 J. Rous *Diary* 45, I inquired of him if William Utt- ing the toade-eater...did not once keepe at Laxfield; he tould me yes, and said he had seene him eate a toade, nay two. 1704 T. BROWN *Sat. on Quack Wks.* 1730 I. 64 Be the most scorn'd Jack-pudding in the peck, And turn toad- eater to some foreign Quack. 1761 LADY S. LENNOX in *Life & Lett.* (1901) I. 53 Beckford, toad eater to the mounte- bank, as he has been not unaptly call'd.

2. *fig.* A sawning flatterer, parasite, sycophant; = TOADY *sb.* 2.

1742 H. WALPOLE *Lett.* 7 July, Lord Edgcumbe's [place] ..is destined to Harry Vane, Pulteney's toad-eater. 1807-8 W. IRVING *Salmag.* (1824) 177 Encouraged by the shouts and acclamations of..toad-eaters. 1859 GREEN *Oxf. Stud.* ii. § 1 (O.H.S.) 33 Shabbily-genteel toadeaters, ready at his call. 1876 GEO. ELIOT *Dan. Der.* III. xxv, The toad-eater the least liable to nausea, must be expected to have his susceptibilities.

b. A humble friend or dependant; *spec.* a female companion or attendant. *contemptuous.* Now rare.

1744 FIELDING *David Simple* II. vii. I. 212 David begged an Explanation of what she meant by a Toad-Eater... Cynthia replied... It is a Metaphor taken from a Mountebank's Boy's eating Toads, in order to show his Master's Skill in expelling Poison. It is built on a Supposition.. that People who are.. in a State of Dependance, are forced to do the most nauseous things that can be thought on, to please and humour their Patrons. 1746 H. WALPOLE *Lett. to Mann* 21 Aug., I am retired hither like an old summer dowager; only that I have no toad-eater to take the air with me. 1750 COVENTRY *Pompey Lit.* I. v. (1785) 16/2 Such female companions, or more properly toad-eaters. 1808 ELEANOR SLEATH *Bristol Heiress* I. 139 Her..Ladyship's confidential woman, or rather *toad- eater*, which is..the most fashionable phrase of the two. 1853 DE QUINCEY *Autobiog. Sk. Wks.* I. 351.

Design Platform

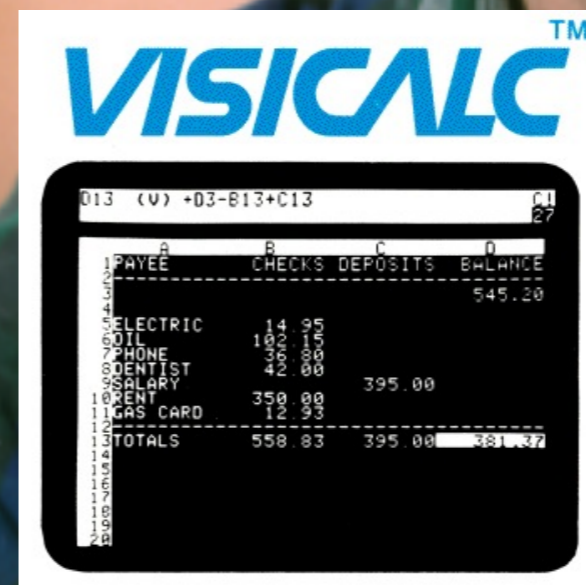
Who
controls?

How
classified?

Designing for contribution

Design principles

- How to fill a shared database
- Manage guilt
 - "Instead of making you feel bad for 'only' doing 99%, a well-designed system makes you feel good for doing 1%."
 - Open source
- Combine with use
 - "Use brings abundance."
 - Readers rather than authors tag
 - CDDDB



How to do it

- Key activities
 - Classification: identify notation, definitions, theorems, proofs
 - Interaction: link knowledge
- Make as much mechanical as possible.
- Design a reason to organize as you use.
- Tolling breeds bad quality.
- Measures of contribution
- The famous should lead.