UCT OPEN TEXTBOOK CONVERSATION EVENT

Participatory Pedagogy and Open Textbook Publishing Journeys: Emerging Models at the University of Cape Town

By Glenda Cox, Michelle Willmers & Bianca Masuku

Digital Open Textbooks for Development project, Centre for Innovation in Learning and Teaching, University of Cape Town
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Centre for Innovation in Learning and Teaching

DOT4D
Digital Open Textbooks for Deve

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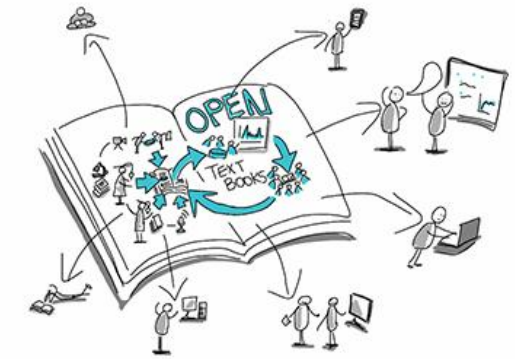


Definition

Open textbooks are digital, freely available collections of scaffolded teaching and learning content published under an open licence on platforms and in formats that provide affordances for content delivery on a range of devices, the integration of multimedia, and incorporation of content from varying sources through collaborative authorship models. In some instances, they also provide affordances for print and low bandwidth access strategies.

PARTICIPATORY PEDAGOGY AND OPEN TEXTBOOK JOURNEYS

Social justice approach

Social justice is a concept that requires the organisation of social arrangements that make it possible for everyone to participate equally in society. Fraser (2005) considers social justice as ‘participatory parity’ economically, culturally and politically.

Cox, G., Masuku, B. & Willmers, M. 2020. Open Textbooks and Social Justice: Open Educational Practices to Address Economic, Cultural and Political Injustice at the University of Cape Town. *Journal of Interactive Media in Education*, 1 (2):pp. 1–10. Available at: https://open.uct.ac.za/handle/11427/31887

Drivers/motivation	Social Justice dimension (Fraser, 2005)	Affirmative/ameliorative response
Affordable access	**Economic (maldistribution of resources)**	**Saving students money**
Multilingualism	**Cultural (misrecognition of culture and identities)**	**Terminology in Chemistry and Statistics translated into local languages**
Curriculum transformation	**Cultural (misrecognition of culture and identities) & Political (misrepresentation or exclusion of voice)**	**Inclusion of local cases and examples, making textbooks relevant** **Collaboration with colleagues and students (empowering and giving voice)**
Pedagogical innovation	**Political (misrepresentation or exclusion of voice)**	**Two examples of changing 'classroom' practice to deliberately include students as content creators**

Drivers and social justice imperatives

Abimbola	Claire	Kensley	Stella	Michael	Maria	Jonathan	Tim	James	Ingxoxo	Juan
Curriculum transformation Affordable access	Curriculum transformation Affordable access	Curriculum transformation Affordable access	Pedagogical innovation Curriculum transformation	Curriculum transformation Affordable access	Affordable access Curriculum transformation Multilingualism	Curriculum transformation Affordable access	Curriculum transformation Multilingualism	Curriculum transformation Affordable access	Pedagogical innovation Curriculum transformation Multilingualism	Affordable access Curriculum transformation

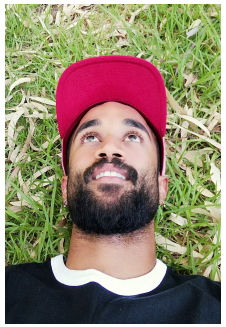
Affordable access
8

Curriculum transformation
8

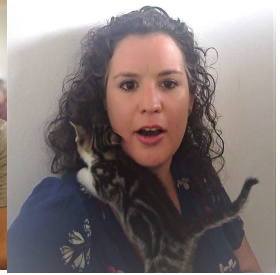
Pedagogical innovation
2

Multilingualism
3

UCT open textbook authors in the DOT4D study



Kensleyrao Apajee
Mechanical Engineering



Chris Barnett & Cesarina Edmonds-Smith
Chemistry

Stella Papanicolaou
Architecture

Dr Juan Klopper
Surgery

A/Prof. Abimbola Windapo
Construction

A/Prof Maria Keet,
Computer Science

Jonathan Shock,
Mathematics

Dr James Lappeman,
Marketing

Tim Low,
Statistics

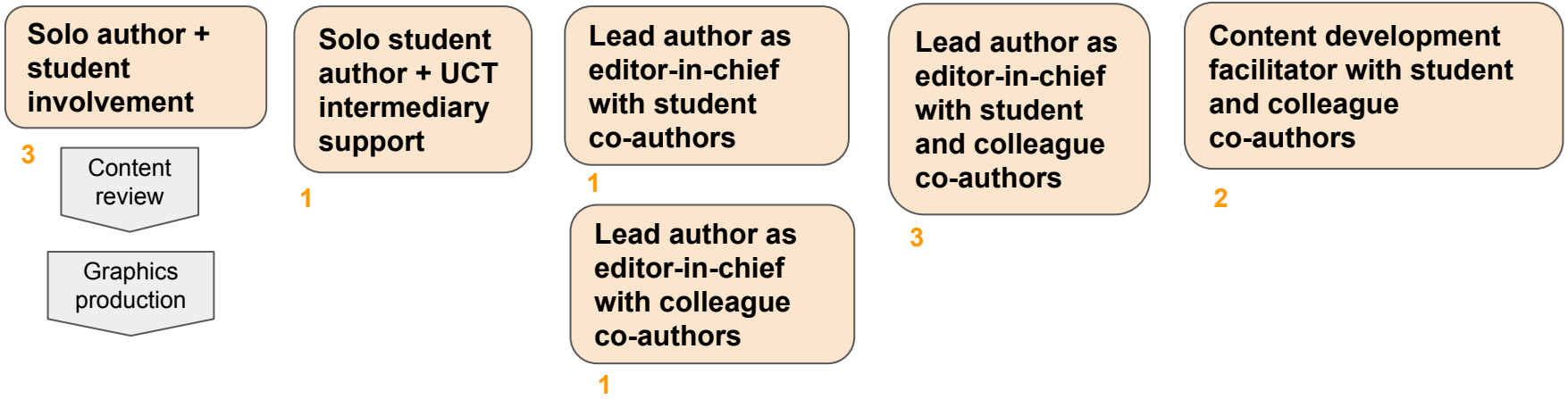
Dr Michael Held,
Orthopaedic Surgery

Dr Claire Blackman
Mathematics

DEVELOPING MODELS BASED ON AUTHORSHIP, QUALITY ASSURANCE AND PUBLICATION PROCESSES

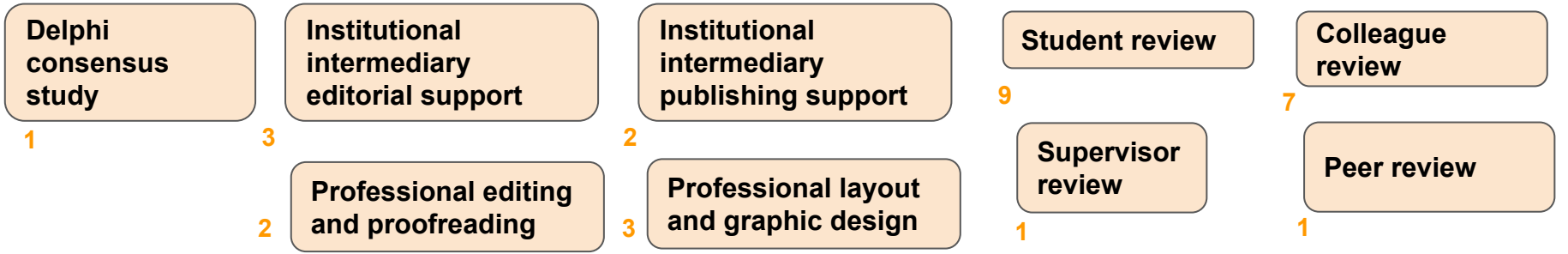
Authorship models

Abimbola	Claire	Kensley	Stella	Michael	Maria	Jonathan	Tim	James	Ingxoxo	Juan
Solo author + student involvement	Solo author + student involvement	Solo student author + UCT intermediary support	Lead author as editor-in-chief with student co-authors	Lead author as editor-in-chief with student and colleague co-authors	Solo author + student involvement	Lead author as editor-in-chief with student and colleague co-authors	Content development facilitator with student and colleague co-authors	Lead author as editor-in-chief with student and colleague co-authors	Content development facilitator with student and colleague co-authors	Lead author as editor-in-chief with colleague co-authors



Quality assurance models

Abimbola	Claire	Kensley	Stella	Michael	Maria	Jonathan	Tim	James	Ingxoxo	Juan
Student review Peer review Professional editing and proofreading Professional layout and design	Student review Colleague review Proofreader	Supervisor review Institutional Intermediary editorial support	Student review Institutional Intermediary editorial support Institutional Intermediary publishing support Professional layout and design	Delphi consensus study Colleague review Community review	Student review Colleague review	Student review Colleague review	Student review Colleague review	Student review Colleague review Institutional Intermediary editorial support Institutional Intermediary editorial support Professional layout and design	Student review Colleague review	Student review Colleague review



Publishing models

Abimbola	Claire	Kensley	Stella	Michael	Maria	Jonathan	Tim	James	Ingxoxo	Juan
External publisher	Author as self-publisher	Author as self-publisher	Initiative as self-publisher	Initiative as self-publisher	Author as self-publisher	Author as self-publisher	Initiative as self-publisher	UCT Libraries + institute as co-publishers with CILT as intermediary	Initiative as self-publisher	Author as self-publisher

Author as self-publisher

5

Initiative as self-publisher

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UCT Libraries + institute as co-publishers

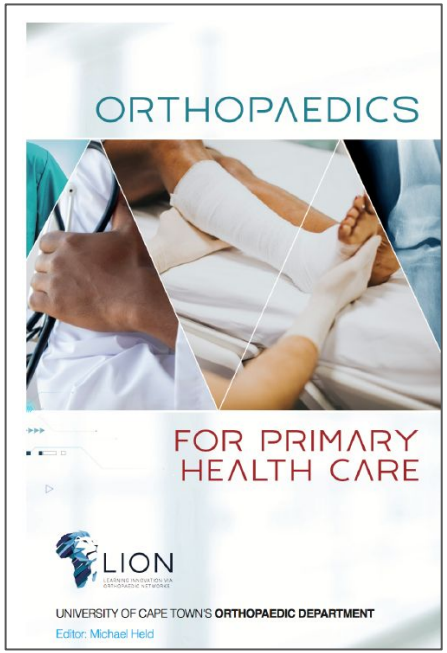
1

External publisher

1

WHY DO YOU WANT TO CREATE AN OPEN TEXTBOOK?

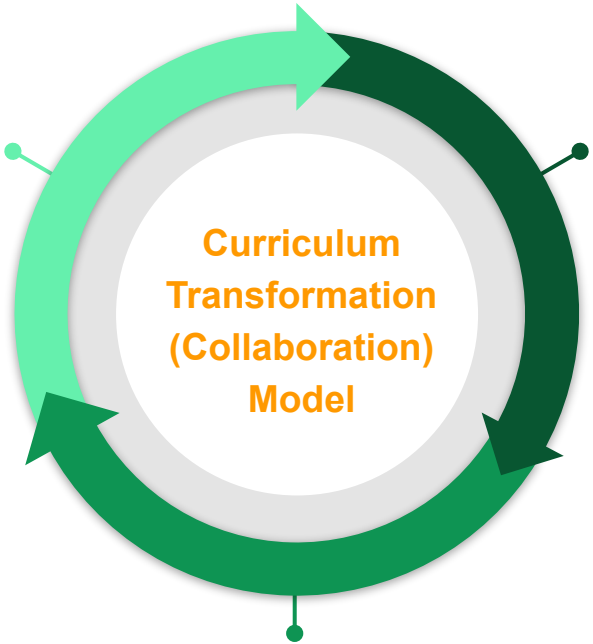
EMERGING PATHWAYS



Resourcing:

- DOT4D grant R30 000 ($1 945)
- DOT4D publishing consultation

Publishing
Initiative as self--publisher



Authorship
Lead author as editor-in-chief + students and colleagues

Quality assurance
Students and colleagues

MODERN ARCHITECTURES

CAPE TOWN

Ingxoxo

Resourcing

Modern Architectures

- DOT4D grant R66 000 ($4 277)
- DOT4D publishing support

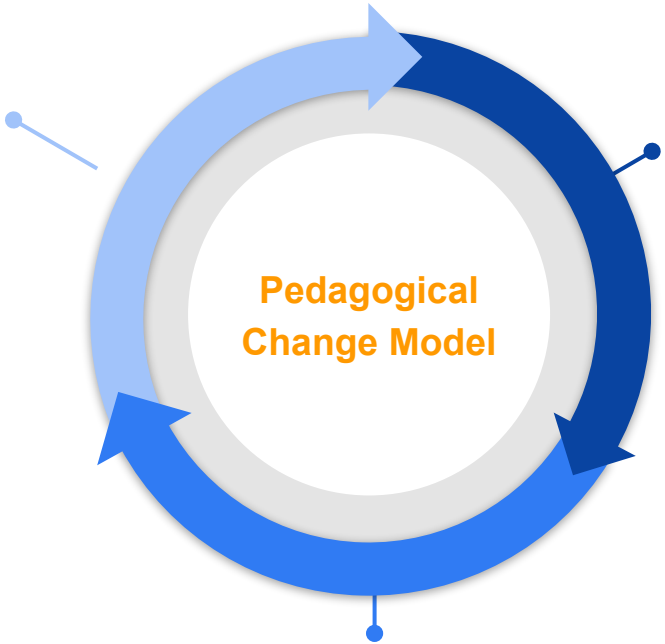
Ingxoxo

- DOT4D grant R73 180 ($4 742)

Publishing

Initiative as self-publisher

Initiative as self-publisher



Authorship

Lead author as editor-in-chief with student co-authors

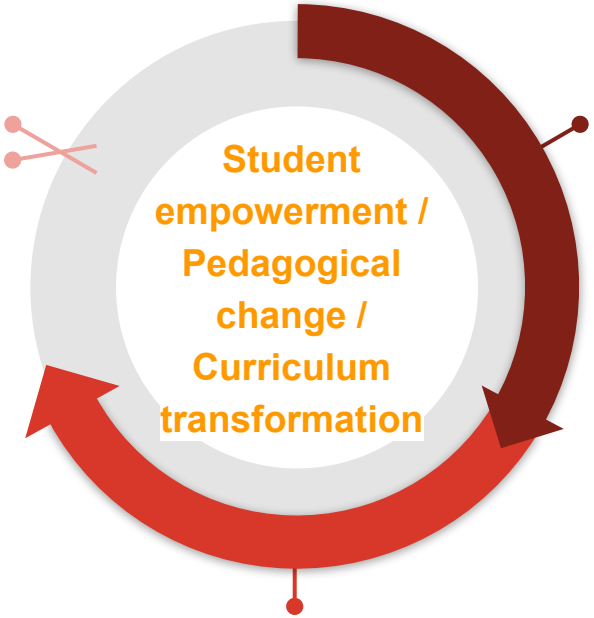
Content development facilitator with student and colleague co-authors

Quality assurance

Student review, institutional intermediary editorial support, institutional Intermediary publishing support

Students and colleagues

What didn't work?



Resourcing

Case 1
- DOT4D grant R21 900 ($1 429)
- DOT4D publishing support

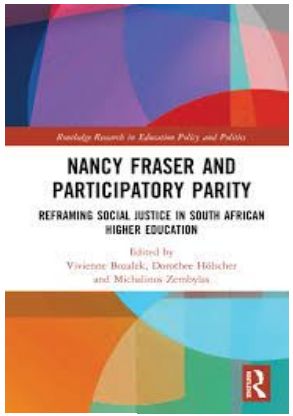
Case 2
- DOT4D grant R20 000 ($1 295)

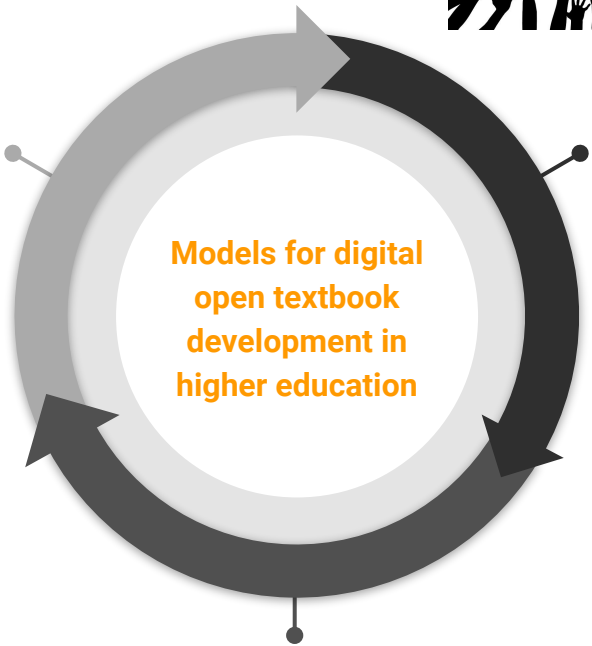
Case 3
- DOT4D grant R60 000 ($3 880)

Some explanations:
Time: workload, juggling multiple projects/concerns and work pressure
Timing: cycles of time

UCT LIBRARIES

justice





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