

Exploring the Richness of Aggregated Publications – an Overlay Journal Use Case

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Background

- Central Use case of the project: **Overlay Journal**
 - Aggregation of publications from diverse repositories
 - At least – DiPP, BieSOn, BiPrints
- Collections (Overlays) of publications on (rare) subjects
 - Querying by “DDC”, date range, data source

Background & Motivation

- Provision of a machine-readable representation
 - To make *opaque content visible*
 - To show the *structure of the publication*
 - To *navigate in the publication*
 - To provide (outside) links, that make the *context of the publication* more clear

Motivating Example – Dissertation Publication

- Publication Type: Dissertation
- Title: *“Autarky versus free trade: catching-up and overtaking? : an endogenous growth approach”*
- Author: Teodorescu, Margareta
- Subject Field: Economics
- Date of publication: 2008
- Published in: BieSON institutional repository
- Provides:
 - Splash page in the repository - *html*
 - Full-Text document - *pdf*
 - Supplementary Material – *cdrom-zip*

How represent Aggregators the publication to the User

- Repositories expose metadata
 - As **Dublin Core** as a lowest common denominator
 - Some provide more sophisticated formats: **METS, MODS, DIDL**
 - Fewer **RDF/XML**, even more fewer **OAI-ORE**
- Aggregators rely on the repository metadata provision
 - Sometimes information loss due to normalization
 - Loss of context and links
- Lets look and compare
 - Scientific Commons
 - Google Scholar
 - BASE
 - ECO4R approach

Example – The Dissertation As Seen By Scientific Commons

en.scientificcommons.org/56622436



suchen

Publikationsansicht

Autarky versus free trade: catching-up and overtaking? an endogenous growth approach

Teodorescu, Margareta

Abstract

Bielefeld, Univ., Diss., 2008. Dateien in unterschiedlichen Formaten

Details der Publikation

Download	http://d-nb.info/995666636/34 http://bieson.ub.uni-bielefeld.de/volltexte/2009/1518/index.html
Archiv	NDLTD Union Catalog (United States)
Sprache	eng

Example – The Dissertation As Seen By Google Scholar

← → ↻ scholar.google.com/scholar?cluster=16782467004757496434&hl=en&as_sdt=0,5

Google scholar Search [Advanced Scholar Search](#)

Scholar

[Autarky versus free trade: catching-up and overtaking?: an endogenous growth approach](#)
M Teodorescu - 2008 - pub.uni-bielefeld.de
Abstract: One of the fundamental normative questions within international trade theory is whether free trade is better than autarky and, if so, in what sense and to what extent. Surprisingly, the literature contains just a few formal models constructed under discrete ...
[Cached](#)

[Autarky versus free trade: catching-up and overtaking?: an endogenous growth approach](#)
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[Autarky versus free trade: catching-up and overtaking?: an endogenous growth approach](#)
M Teodorescu - 2008 - nbn-resolving.de
Abstract: One of the fundamental normative questions within international trade theory is whether free trade is better than autarky and, if so, in what sense and to what extent. Surprisingly, the literature contains just a few formal models constructed under discrete ...
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[Autarky versus free trade: catching-up and overtaking?: an endogenous growth approach](#)
M Teodorescu - 2008 - en.scientificcommons.org
Abstract One of the fundamental normative questions within international trade theory is whether free trade is better than autarky and, if so, in what sense and to what extent. Surprisingly, the literature contains just a few formal models constructed under discrete ...
[Cached](#)

[Autarky versus free trade: catching-up and overtaking?: an endogenous growth approach](#)
M Teodorescu - 2009 - nbn-resolving.de
One of the fundamental normative questions within international trade theory is whether trade is better than autarky and, if so, in what sense and to what extent. Surprisingly, the literature contains just a few formal models constructed under discrete time and ...
[Cached](#)

Example – The Dissertation As Seen By BASE

www.base-search.net/Search/Results?lookfor=tit%3A"Autarky%20versus%20free%20trade:%20catching-up%20a



| Basic Search | Advanced Search | Browsing | Search History |

Your search

tit:"Autarky versus free trade: catching-up and overtaking? : an er

Find additional word forms

Home » Search: tit:"Autarky versus free trade: catching-up and overtaking? : an endogenous growth approach"

1. Autarky versus free trade: catching-up and overtaking? : an endogenous growth approach

Title:	Autarky versus free trade: catching-up and overtaking? : an endogenous growth approach
Author:	Teodorescu, Margareta
Subjects:	Außenwirtschaftstheorie ; Endogenes Wirtschaftswachstum ; Globalisierung ; Terms of trade ; Allgemeines Gleichgewichtsmodell ; Theory of international trade ; Endogenous growth ; Catching-up and Overtaking (Convergence) ; Terms of trade ; General equilibrium model
DDC:	330 Economics
Description:	One of the fundamental normative questions within international trade theory is whether free trade is better than autarky and , if so, in what sense and to what extent. Surprisingly, the literature contains just a few formal models constructed under discrete time and investigating the relationships between international trade and endogenous grow... Show all
Publisher:	Bielefeld University
Year of Publication:	2008
Document Type:	info:eu-repo/semantics/doctoralThesis ; text
Language:	eng
URL:	http://pub.uni-bielefeld.de/publication/2304020 https://pub.uni-bielefeld.de/luur/download?func=downloadFile&recordOid=2304020&fileOid=2304023
Content Provider:	PUB - Publications at Bielefeld University

Example – The Dissertation Entity Granularity As Seen By ECO4R „Overlay Journal“

Publication Details

8 Items

sorted by: [labels](#); then by... • grouped as sorted

(1)

1. [\(link\)](#)

label:
type: **WebPage**
URI: <http://193.30.112.178/opus/volltexte/09/15/>
modified: **no**
isAggregatedBy: [aggregation](#)

1518 (1)

1. **1518** [\(link\)](#)

label: **1518**
type: **Research Map**
URI: <http://193.30.112.178/opus/ore/1518>
modified: **09-07-15**
creator: [node16fjptqunx1](#)
describes: [aggregation](#)

Example – The Dissertation Entity Granularity As Seen By ECO4R „Overlay Journal“

aggregation (2)

1. aggregation (link)

label: aggregation
 type: Metadata
 URI: <http://193.30.112.17/.../metadata#aggregation>
 modified: no
 isAggregatedBy: aggregation
 aggregates: http://193.30.112.178/opus/oai2/oai2.php?verb=GetRecord&metadataPrefix=oai_dc&identifier=oai:bieson.un.uni-bielefeld.de:1518
 isDescribedBy: <http://193.30.112.178/opus/ore/1518/metadata>

2. aggregation (link)

label: aggregation
 type: DoctoralThesis
 URI: <http://193.30.112.178/opus/ore/1518#aggregation>
 modified: no
 similarTo: <urn:nbn:de:hbz:361-15189>
 rights: <http://193.30.112.178/opus/doku/urheberrecht.php>
 aggregates: , aggregation_2, aggregation_3, aggregation
 creator_0: <node16fjptqunx2>
 isDescribedBy: 1518
 subject: <http://dewey.info/class/330/>
 dateAccepted: 2008-01-01
 title: Autarky versus free trade: catch-up and overtake; an endogenous growth approach
 description: One of the fundamental normative questions within international trade theory is whether free trade is better than autarky and, if so, in what sense and to what extent. Surprisingly, the literature contains just a few formal models constructed under discrete time and space. The relationships between international trade and endogenous growth which provide a precise answer to this question. The main part of this dissertation is to address this issue by developing a dynamic general equilibrium model with exogenous growth and overlapping generations that allows for a consistent dynamic analysis of the relationship between growth performance and the trade performance. The analysis is conducted under the alternative scenario of complete economic isolation and international integration. After examining the endogenous growth model in a closed economy setup, the investigation is gradually extended from an autarkic to an open country, the transition being realized in two steps. The first one addresses the impact of opening-up to and engaging in international trade upon a small open economy, whereas the dynamic two-sector model corresponding to the autarkic country is analyzed under an "open economy" framework. The special case of constant terms of trade is subsequently abandoned and a two-country model of the world economy -- with two factors, two commodities and trade in both commodities -- is investigated. We provide a detailed numerical analysis of the dynamical system and relate it to the determinants in the patterns of production specialization and commodity trade. By bringing into contrast an autarkic versus a trading world economy, the extension to a two-country model allows us to mainly investigate two transitional dynamics. The first one is whether the switch of the world economy from no trade to free trade may drive an economy to eventually converge, catch-up or overtake the other economy. The second one refers to reversals in the direction of commodity trade and of specialization in production. Using numerical simulations, we analyze the occurrence of these transitional dynamics under different scenarios.

Example – The Dissertation Entity Granularity As Seen By ECO4R „Overlay Journal“

aggregation_2 (1)

1. **aggregation_2** ([link](#))

label: aggregation_2
 type: ScholarlyText
 URI: <http://193.30.112.17...518/text#aggregation>
 modified: no
 isAggregatedBy: aggregation
 aggregates: http://193.30.112.178/opus/volltexte/2009/1518/html/PhD_Margareta_Teodorescu.pdf,
<http://193.30.112.178/opus/volltexte/2009/1518/html/index.html>
 isDescribedBy: <http://193.30.112.178/opus/ore/1518/text>

aggregation_3 (1)

1. **aggregation_3** ([link](#))

label: aggregation_3
 type: SupplementaryInformationFile
 URI: <http://193.30.112.17...pplement#aggregation>
 modified: no
 isAggregatedBy: aggregation
 aggregates: <http://193.30.112.178/opus/volltexte/2009/1518/html/...M...>
 isDescribedBy: <http://193.30.112.178/opus/ore/1518/supplement>

node16fjptqunx1 (1)

1. **node16fjptqunx1** ([link](#))

label: node16fjptqunx1
 type: Organization
 URI: <file:///Users/js/Desktop/...node16fjptqunx1>
 modified: no
 name: Universität of Bielefeld (146), GERMANY, OPUS
 p: <http://193.30.112.178/opus>

node16fjptqunx2 (1)

1. **node16fjptqunx2** ([link](#))

label: node16fjptqunx2
 type: Person
 URI: <file:///Users/js/Desktop/...item#node16fjptqunx2>
 modified: no
 name: Teodorescu, Margareta

Behind The Scenes

- Data representation
 - Conversion of RDF/XML to JSON
 - Using Simile Exhibit as Presentation Layer
 - Visualisation concepts: lenses, facets, views
- Linking to other Data Sources
 - PND service
 - Lobid.org to link organisational context
 - Dewey.info to link subject classification

How ECO4R Describes „Enhanced Publications“

- Based on OAI-ORE
 - To semantically describe the aggregative publication entities
- Using on top “**Frbr Aligned Bibliographic Ontology**”
 - Extends the FRBR entities (*Work, Expression, Manifestation, Item*) with more specific classes (e.g. *JournalArticle, WebPage, SupplementaryInformationFile*)
 - Complement to other ontologies in SPAR, able to describe a whole publishing workflow

Data Model Instance

