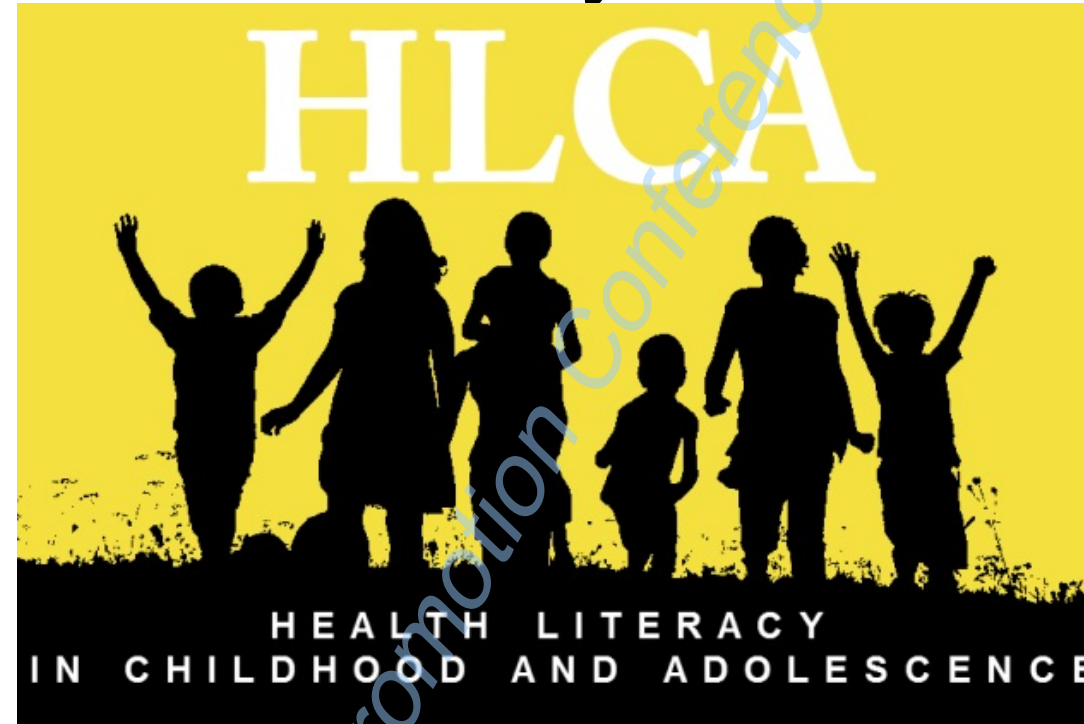


Methods of Measuring Health Literacy of Children



O'É Gaillimh
NUI Galway

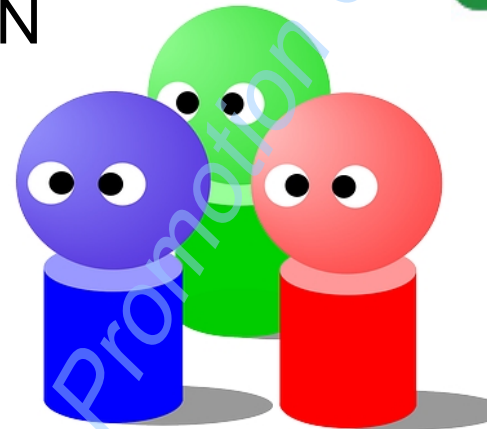
2015 Health Promotion Conference
Health Literacy: Research, Policy & Practice
18 June 2015

Content of the Presentation

1. RATIONALE & BACKGROUND
2. OBJECTIVES
3. METHODOLOGY
4. SUMMARY & CONCLUSION



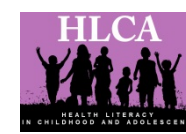
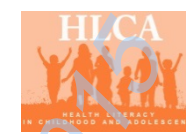
People



Ester Lopes

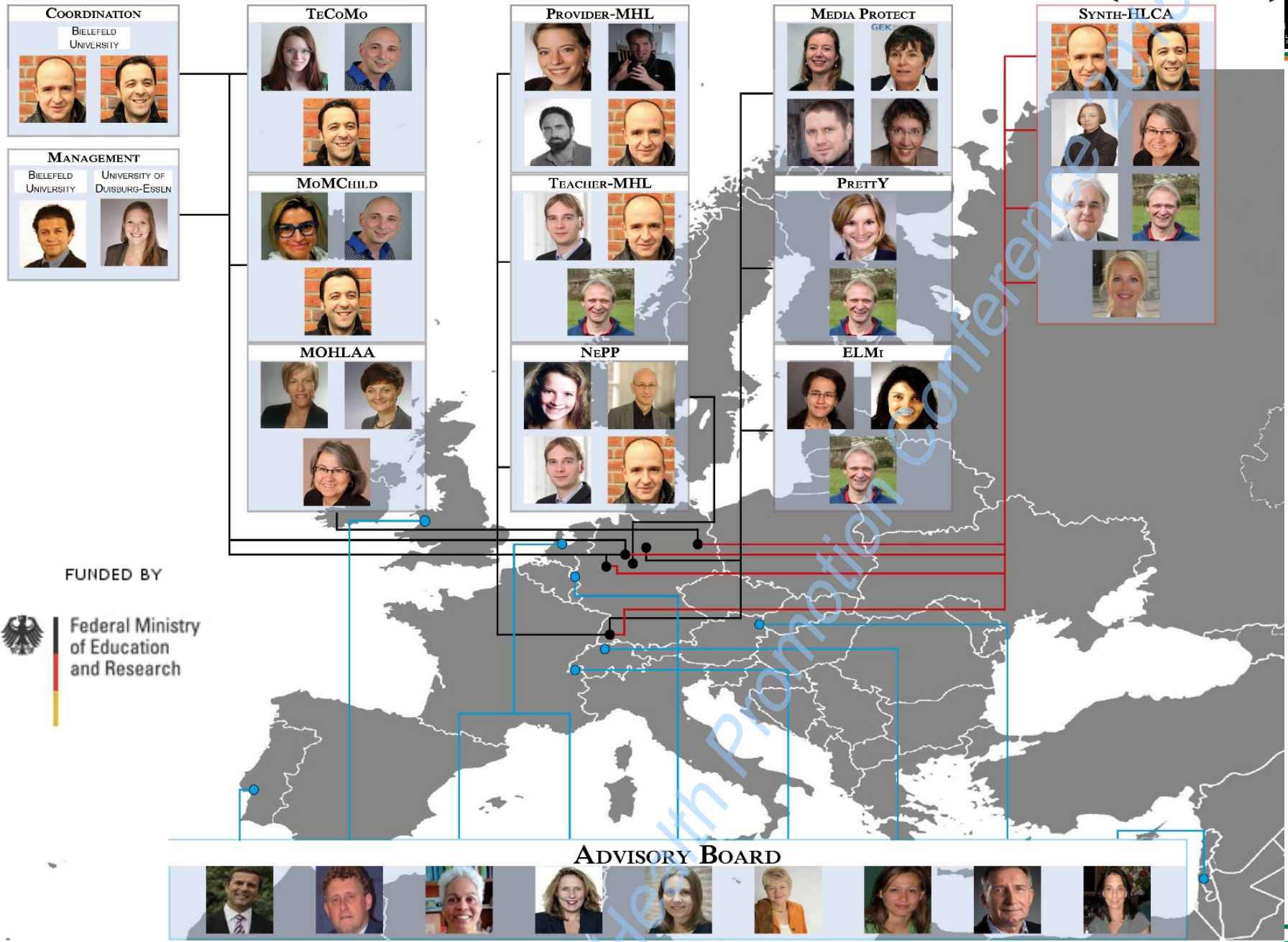
Orkan Okan

Paulo Pinheiro



- Child and Adolescent Health Literacy Research in HLCA project Germany
- Start date 03/2015 – 03/2018
- 10 Subprojects, including Synthesis Project
- Funded by the Federal Ministry of Education and Research (BMBF)
- Collaborative team science with partners from various fields, e.g. Education, Psychology, Sociology, Public Health
- Aiming at research in general Health Literacy, Mental Health Literacy and eHealth Literacy
- Mostly all projects will develop conceptual frameworks, tools and conduct surveys

HEALTH LITERACY IN CHILDHOOD AND ADOLESCENCE (HLCA)



FUNDED BY
Federal Ministry of Education and Research

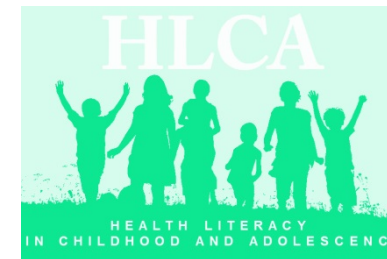
A TARGET FOR HEALTH PROMOTION AND PRIMARY PREVENTION

Project Background in a Nutshell

- What: Tool development & validation
- Who: Target population children 9-10 years old
- How: Mixed Methods, Qualitative & Quantitative
- Where: Germany

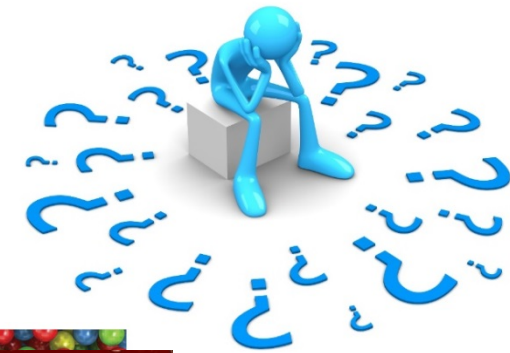


Model	Health Literacy Levels		
	functional skills	interactive skills	critical skills
Nutbeam Typology			
HLS-EU Matrix	access/obtain; understand; appraise/judge/evaluate; apply/use		
Milieu Typology	Health Care	Disease Prevention	Health Promotion
	Dispositional skills (class-related capability to act health literate)		



Project Background in a Nutshell - Why

- Child and adolescent measures are not well developed compared to adult tools
- Most tools quest populations 15 y.o.++
- No adequate frameworks or models that can be translated into tools



MoMChild Target Population

Children 9-10 y.o. are crucial for health literacy research, their needs and their balance between autonomy and heteronomy differ from adults and adolescents

- Transition; secondary school
- Autonomy and personality development
- Cognitive, emotional, physical development



MoMChild Objectives

- Development of a valid questionnaire underpinned with a sound model and definition to assess health literacy levels of children 9-10y
- Development of a Milieu Typology related to the childrens life worlds (class-related lifestyles)
- Measuring Health Literacy of primary school children

Some Challenges when doing Health Literacy research with/in the Child Population

- Stage of life
- Childrens Worlds -> lifestyles?
- Content and context specific factors; what is important?
- How can an instrument adequately address children?
- Measurement of Health Literacy: Adaptation? New development? Crossover?
- Children`s participation?

MoMChild Methodology

1. Developmental Stage I
Concept Clarification and Survey Development
2. Qualitative Pilot
Cognitive Testing of the preliminary instrument
3. Developmental Stage II
Scale and Variables Modification; Completion of the Tool for Field Test
4. Field Test Quantitative Stage
Field Test in Schools and pupils
5. Analysis and Refinement I
Statistical treatment and analysis
6. Analysis and Refinement II
Milieu Typology Development
7. Finalisation
Questionnaire final version

Work in Progress:

A systematic literature review (with reflective elements in the metdly. -> cross referencing)

Using PubMed, Web of Science, PsycInfo, SSRN, Emerald, ERIC, Science Direct, CINAHL, BioMed Central

Objectives:

- (1) Identification of methodologies and measurements of child/adolescent/adult HL,
- (2) Creation of a robust knowledge base of the HL concept .

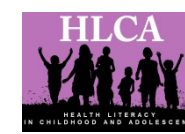
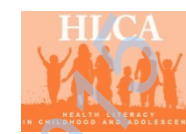
Search Topic	Results
original tools	n=66
systematic reviews	n=7
recommendation papers	n=16
taxonomic papers	n=21
target population tools (9-10y.o.)	n=3

Tools found for MoMChild Target Population

KidsHealth KidsPoll of Health Literacy of the National Health Education Standards based Tool
(Brown et al., 2007, USA) (9-13 y.o.)

GeKoKids Tool: Based on the Nutbeam Typology and Health Promotion Outcome Model
(Schmidt et al., 2010, Germany) (9-13 y.o.)

Instruments from Council of Chief State School Officers (CCSSO) State Collaborative on
Assessment of Student Standards (SCASS) Health Education Assessment Project (HEAP)
(Benham Deal et al., 2010, USA) (8-9 y.o.)



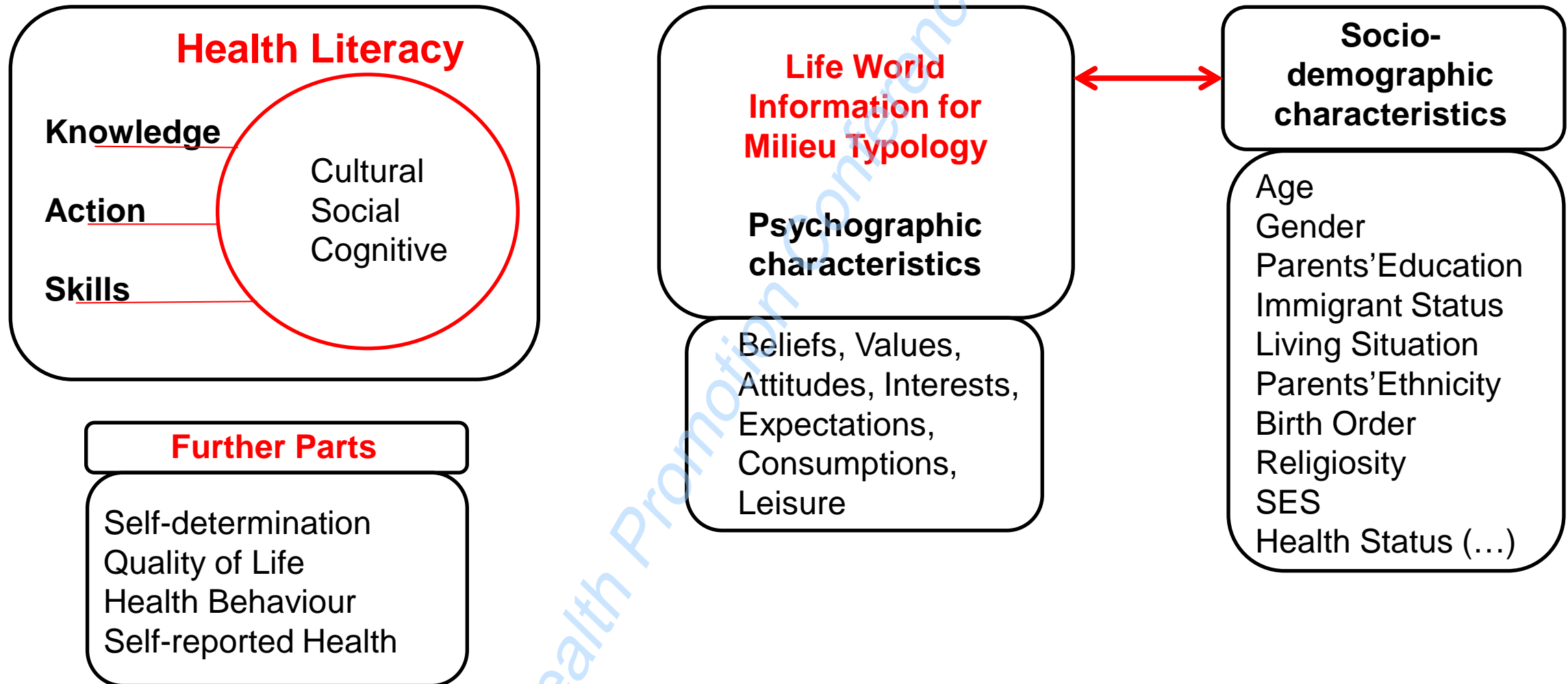
State of the art

No valid questionnaire to assess health literacy in 9-10 years old primary school children that is underpinned with a target population adjusted model and definition

GAP IN VALIDITY-DRIVEN TOOLS

Concept Clarification

Conceptual Framework Development and Understanding of Health Literacy



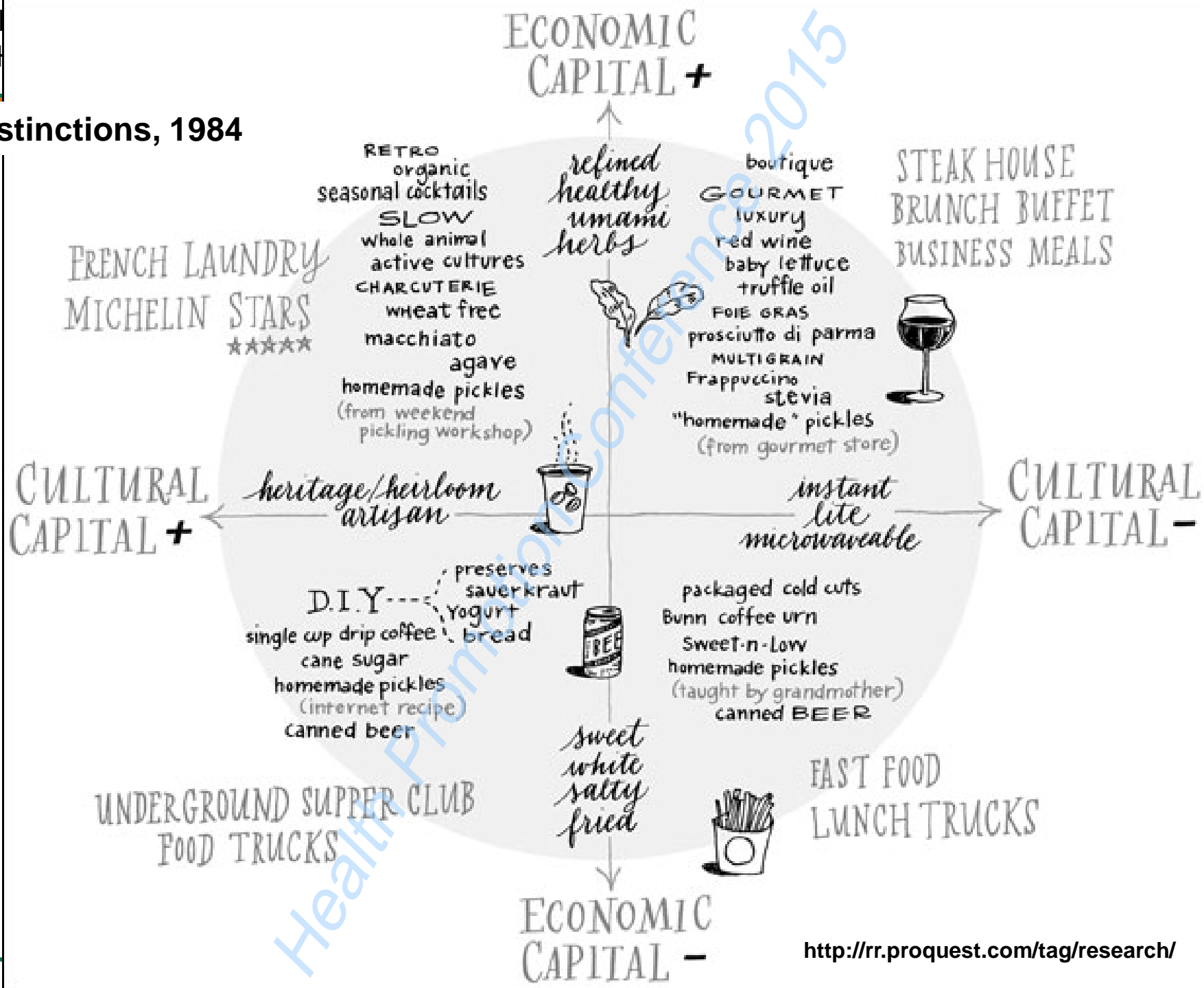
Pierre Bourdieu, Distinctions, 1984

Practice Theory

Mediating between
Subjectivism and
Objectivism

An Approach to
dialect between
social structures
and human agency
in a dynamic
relationship.

al Spaces



Summary

- Development of a valid Health Literacy Questionnaire for Children 9-10-y.o.
- Based on a Conceptual Framework, including Dispositional Skills and Attitudes (Milieu Typology)
- Challenges and Difficulties
- Literature Review Results, Lack of Instruments for the Target Population
- Understanding of Child Health Literacy?
- Including Children to the Research

