



Disciplinary, transdisciplinary knowledge and skills for an uncertain future: are **Educational Media** up to it?

## Conference day 1: Wednesday 6 April 2022

8.30 - 9.00	<b>Registration</b>	Camera di Commercio
9.00 - 9.20	<b>Opening</b> Elisabetta Mughini (INDIRE Research Director) Eric Bruillard (President of IARTEM) Anna Dipace (Rector of IUL)	Auditorium
9.20 - 10.10	<b>Plenary Session</b> Keynote: Gino Roncaglia – Professor of Digital Humanities, Philosophy of Information and Digital Publishing Roma Tre University, Italy  <i>The textbook: history of a cultural artefact from paper to digital</i>	Auditorium
10.10- 11.10	<b>Symposium 1</b> <i>Coping with crises and challenges? In search of new media, extracurricular learning environments and multiperspective teaching methods in the field of European integration</i> Elisabetta Mughini, Anne Bruch, Steffen Sammler	Auditorium
	<b>Symposium 2</b> <i>Themes in the textbooks – Gender issues and stereotypes in textbook</i> Pamela Giorgi, Irene Zoppi, Daniela Bagattini, Valentina Pedani	Room Corsi
11.10 - 11.30	<b>Coffee break</b>	Room Borsa Valori
11.30 - 13.20	<b>Parallel Session A</b>	Camera di Commercio

### S1 Gender

Room 3

Moderator Yvonne Behnke (HU Berlin)

35 *Gender Stereotypes in Business Language Coursebooks and their Impact on the Learner*

Elaine Anderson Joseph

16 *Is there androcentrism in Spanish textbooks? A diachronic study from 1975 to 2020*

Virginia Guichot Reina, Ana María de la Torre Sierra

12 *Women's Agency in a colonial Context: A comparative Study of French, German and Austrian History Textbooks since the Eighties*

Gildas Riant

20 *The absence of female writers in school discourse: A Critical Discourse Study of textbooks used during the Spanish democracy*

Ana María de la Torre Sierra, Virginia Guichot Reina



### S2 Teacher education

Room Corsi

Moderator Georges Louis Baron (Paris University)

*62 Facebook as an Arena for Teachers' Work with Educational Resources*

Ragnhild Lund

*43 Online "professional learning network" of teachers with an audience on Twitter: structure and professional identity*

Sylvie Mas

*32 Practice circles – development of a didactic design with learning resources that enhance teachers' practical knowledge*

Anne Mette Hald, Bettina Buch, Helle Helsinghof, Malis Ravn

*22 Educators' and authors' perspectives on professional textbooks for teacher education*

Juliet Munden, Catharine Meissner

### S3 Educational resources and students

Room 4

Moderator Francesca Pestellini (INDIRE)

*59 Students' metacognitive strategies in project-based learning in digital environments*

Stefan Ting Graf, Stinus Lundum Storm Mikkelsen

*46 Teaching contemporary students*

Sergio Miranda

*91 The purposes of using teaching and learning resources in the instruction at the lower secondary school*

Iva Červenková, Zuzana Sikorová, Marek Václavík, Nikol Porubová

*135 Comparative Analysis of 'Textbooks as Workbooks' in East and West Germany*

Yuki Nakazono

### S4 Digital resources

Auditorium

Moderator Eric Bruillard (Paris University, President of IARTEM)

*140 Impacts of technology as learning resources in subject-specific teaching*

Thomas Illum Hansen

*110 Collecting and processing learning data. Which current practices of resource providers?*

Eric Bruillard, Solene Zablot, Khansa Ghabara

*24 Prognosis of future for digital educational media*

Hanne Fie Rasmussen, Stinus Lundum Storm





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**S5 Discourses**

Room 7

Moderator Rudi Bartolini (INDIRE)

68 *"Powerful tools for education": Deconstructing corporate discourse on educational media and technologies*

Vittorio Marone, Bruna Damiana Heinsfeld

26 *Discourse Analysis with Educational Perspectives*

Angerd Eilard, Christoffer Dahl

52 *The discourse on National Socialism in German history textbooks from 1949 to 2017*

Patricia von Münchow

120 *A Comparative Discourse Analysis of Japanese Language Teaching Textbooks Minnano Nihongo and Marugoto*

Flávio Ricardo Medina de Oliveira

13.20 - 14.30

Lunch

Camera di Commercio  
Room Borsa Valori

14.30 - 16.20

Parallel Session B

Camera di Commercio

**S1 Critical thinking/Teaching foreign languages**

Auditorium

Moderator Zuzana Sikorová (University of Ostrava)

144 *Fostering critical thinking across disciplines: diverse conceptions in resources for French middle schools' teachers*

Charlotte Barbier

56 *Kidsfluencers in the classroom? Developing critical media literacy and digital competence*

Patricia Digon-Regueiro, María Montserrat Castro-Rodríguez,  
Ana Rodríguez-Guimerans

57 *Media literacy related content in Spanish digital textbooks for Primary Education*

Patricia Digon-Regueiro

139 *Beyond textbooks: how to strengthen students' transversal competences in the English class*

Serena Freni Sterrantino





### **S2 History as a subject**

Room 7

**Moderator Pamela Giorgi (INDIRE)**

*121 Brazilian literary sources in the history textbook in use in the state of Paraná (Brazil)*

**Thiago Evaldo Rosa**

*115 History Teaching and the Brazilian Common Core Standards: Analysis of the dichotomous relationship between the National and the Global Contents in History Textbooks*

**Rossano Rafaelle Sczip, Edilson Aparecido Chaves**

*80 History textbooks and their uses in indigenous schools of baixo tapajós in the Brazilian Amazon*

**Diego Marinho de Gois, Tânia Maria F. Braga Garcia**

*162 Learning history through digital games: analysis of students' productions*

**Marcelo Antonio Bueno Moraes**

### **S3 Teacher's guide (1)**

Room Corsi

**Moderator Andy Smart (Education and Textbook Consultant)**

*107 A systematic review of research on design, use and outcome of teacher guides*

**Bettina Buch**

*105 How to design useful teachers' guides for today's teachers and circumstances*

**Dorthe Carlsen, Stig Toke Gissel**

*130 The textbook as a formative element of the teacher habitus: a review of theses and dissertations*

**Camila Ferreira Aguiar, Nilson Marcos Dias Garcia**

*102 Selection, production and use of teaching resources by literacy teachers: ethnographic study in settlement schools*

**Roseli Borowicc**

### **S4 Physics and natural sciences (1)**

Room 4

**Moderator Maria Guida (INDIRE)**

*99 The Teaching of Physics in Brazil as a field: is the textbook a scientific object in dispute?*

**Bruno Henrique Cersosimo Lous, Tânia Maria F. Braga Garcia**

*94 Textbooks in rural education: analysis of scientific production in the area of Physics teaching*

**Emerson Cazuza da Silva, Alisson Antonio Martins**

*75 The teaching of Modern and Contemporary Physics in the evaluation criteria of Physics textbooks and in the reviews of the PNLD guide*

**Rayra Sanny Onuki**





*116 The Physics textbook as an emancipatory instrument: analysis of its potential*

**Leidi Katia Giehl, Nilson Marcos Dias Garcia**

*118 The Physics textbook as an actant: a possibility of study according to the Actor-Network Theory*

**Kelly Vanessa Fernandes Dias da Silva, Nilson Marcos Dias Garcia**

*126 The construction of the concept of velocity in Physics textbooks*

**Thais Ananda dos santos, Derick de Almeida Fontoura Kugler, Nilson Marcos Dias Garcia**

*119 Modern and contemporary physics in textbooks: contributions to Physics teachers education*

**Juliane Cavalheiro Ramos, Larissa Carvalho Chaves, Nilson Marcos Dias Garcia, Alisson Antonio Martins**

*101 The theme of evaluation in research on physics textbooks: state of knowledge*

**Lucas Macedo Cunha**

*164 Training of Physics teachers to use Digital Information and Communication Technologies*

**Lilian da Silva Rocha, Alvaro Emilio Leite**

**16.20 - 16.40**

**Coffee Break**

Camera di Commercio  
Room Borsa Valori

**16.40 - 18.30**

**Parallel Session C**

Camera di Commercio

**S1 Physics and natural sciences (2)**

**Moderator Maria Guida (INDIRE)**

*108 Physics teaching in Natural Sciences textbooks: an analysis of Brazilian Textbook Program (PNLD 2021)*

**Alisson Antonio Martins, Gyovanne Zanetti Matuchaki**

*104 Relationship between Science and Art in research on Physics textbooks: a state of knowledge*

**Gabriel Crestani de Souza**

*124 Relationships between the textbook and information and communication technologies in the teaching of Physics: state of knowledge*

**José Leandro Lima de Souza, Tânia Maria F. Braga Garcia**

*48 Mapping of papers on Biology, Science, Physics and Chemistry textbooks*

**Camila Sampaio Nogueira, Álvaro Emilio Leite**

*97 Natural Sciences textbooks authorship: academic and professional analysis of the profile presented in PNLD 2019 works*

**Fabricio Lucimara, Alisson Antonio Martins**

Room 7





*96 Educational games in Physics teaching*

**Erick da Silva, Alisson Antonio Martins**

*72 Physics teachers' perceptions of the digital textbook*

**Halina dos Santos França, Álvaro Emilio Leite**

*76 Manuals for teaching Physics: a study of their circulation in Pedagogy courses*

**Fernanda Esthenes do Nascimento, Tânia Maria F. Braga Garcia**

*113 A Physics' textbook in Germany from the beginning of Twentieth century*

**Fernanda Fonseca, Nilson Marcos Dias Garcia**

### **S2 Textbook production**

Room 3

**Moderator Maria Filomia (University of Perugia)**

*141 Textbooks collaborative production in a local context: a case study in southern Brazil - Trilhas School,*

**Maria Inês Weigert Galvão, Jordana Stella Botelho**

*109 Digital Didactic Materials in Distance Learning: indicators for production under the perspective of the students*

**Helenice Ramires Jamur, Glaucia da Silva Brito**

*77 The production of teaching materials by teachers and students from thematic complexes: possibilities and challenges*

**Edilaine Aparecida Vieira, Tânia Maria F. Braga Garcia**

*114 Learning manuals and local culture: the (un)articulating role of educational public policies*

**Edna Luiza de Souza, Nilson Marcos Dias Garcia**

### **S3 Teacher's guide (2)**

Room Corsi

**Moderator Andy Smart (Education and Textbook Consultant)**

*63 Teachers' Guides in Religious Education in the Danish Elementary School*

**Karna Kjeldsen**

*106 Teachers' guides in the Subject Discipline of Danish L1*

**Bettina Buch, Marianne Oksbjerg, Stig Toke Gissel**

*125 The teacher's guidebook in the Art textbook Por toda parte (Everywhere) approved in the 2015 PNLD: content analysis*

**Nataly Patricia Da Lapa Conforte, Tânia Maria F. Braga Garcia**

*54 Teacher's Guides in the Subject Discipline of History*

**Maren Lytje**





### **S4 Maths and Statistics**

Room 4

Moderator Caterina Ferrini (IUL)

*27 Educational material and resources to teach Statistics in France undergraduate courses*

**Mehdi Khaneboubi**

*67 In-service mathematics teachers' use schemes using problems like an educational resource*

**Maria Paz Gazzola, Maria Rita Otero**

*70 Mathematics textbooks for Argentine secondary school in the last 80 years: knowledge, arguing and images*

**Viviana Carolina Llanos, Maria Rita Otero**

*154 Mathematical Textbook in multilingual country*

**Nadia Azrou**

### **S5 Resources and curricula**

Auditorium

Moderator Jesus Rodriguez (University of Santiago de Compostela)

*133 How are L1 Teacher's choices of learning resources influenced by curriculum interdisciplinarity? Public health and life skills and literary instruction in the Covid era*

**Anne-Beathe Mortensen-Buan, Anne-Marie Øines, Marianne Furumo**

*5 Curriculum change and its effects on textbooks - the 2010-2020 Brazilian case*

**Alysson Ramos Artuso**

*6 The impacts of the new nationwide curriculum proposal in Brazil on teachers' use of textbooks*

**Vilmarise Bobato, Adriana Mohr**

*103 New Skills for the Swedish Subject? Swedish Teachers' Perceptions of Digital Learning Resources for Upper Secondary School*

**Caroline Graeske**

**18.30 - 19.15**

**IARTEM Meeting**

Camera di Commercio

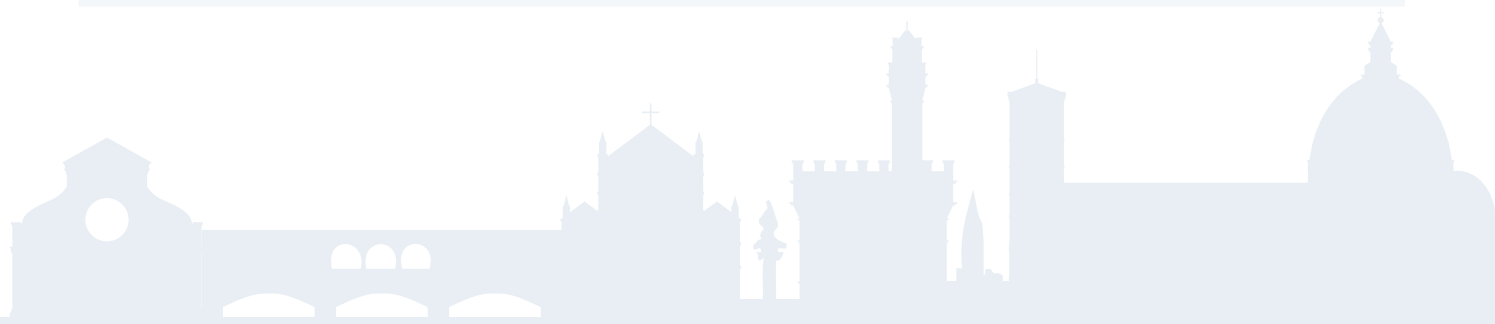




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## Conference day 2: Thursday 7 April 2022

<b>8.30 - 9.00</b>	<b>Registration</b>	Camera di Commercio
<b>9.00 - 9.50</b>	<b>Plenary Session</b> <b>Keynote: Anne Mangen</b> – Professor of Literacy at the Norwegian Reading Centre, University of Stavanger, Norway <i>Paper reading versus digital reading</i>	Auditorium
<b>9.50 - 11.00</b>	<b>Symposium 3</b> <i>Educational resources produced by teachers: Avanguardie Educative (Italy) and projects around the world</i> <b>Alessandra Anichini, Francesca Pestellini, Roberto Castaldo, Pino Suriano, Gabriella Benzi, George Louis Baron, Gabriela Ossenbach, Kira Mahamud</b>	Auditorium
<b>11.00 - 11.20</b>	<b>Coffee break</b>	Room Borsa Valori
<b>11.20 - 13.10</b>	<b>Parallel Session D</b>	Camera di Commercio
	<b>S1 Early childhood</b> Moderator <b>Alessia Rosa (INDIRE)</b>  <i>44 Digital materials as a support for stories in early childhood classrooms</i> <b>Donatella Donato, Angel San Martin Alonso, Jose Peirats Chacon, Isabel Vidal Esteve, Diana Marin Suelves</b>  <i>88 Families in education in the digital age: uses and practices of Digital Educational Resources in childhood</i> <b>Nerea Rodriguez-Regueira, Carmen Denébola Álvarez-Seoane, Tania Caamaño</b>  <i>38 Early Childhood Education teachers' perceptions of technology and digital educational resources during lockdown</i> <b>M. Isabel Vidal Esteve, Diana Marin Suelves, José Peirats Chacón, Donatella Donato</b>  <i>28 Open educational resources for early childhood education. Analysis of digital teaching materials on the INTEF portal</i> <b>Anabel Bethencourt-Aguilar, Ana Luisa Sanabria-Mesa, María Inmaculada Fernández-Esteban</b>  <i>147 Digital Educational Resources (DER) consumption in the Canary Islands by children aged 3 to 6. Testimonials from families and teachers</i> <b>Cecilia Becerra Brito</b>	Room 4







## **S2 Representation and narration in educational resources**

Room Corsi

Moderator Andy Smart (Education and Textbook Consultant)

*148 Representation of disability in Italian Primary school textbooks*

**Maria Filomia**

*137 The state as publisher. Icelandic textbooks and national identity building*

**Jón Yngvi Jóhannsson**

*45 Heroes, winners and geniuses: the use of role models and narrative genres in Japanese textbooks*

**Martina Ronci**

*150 Comic strips, a new educational medium for reporting on science experiments in French high school*

**Pascale Kummer Hannoun**

## **S3 Evaluation**

Auditorium

Moderator Sara Mori (INDIRE)

*50 Usability Parameters of Learning-Effective Textbook Visuals. Challenges and Opportunities for Knowledge Construction Through Textbook Visuals*

**Yvonne Behnke**

*117 The evaluation agents' look at Brazil's didactic book programme*

**Carmencita Ferreira Silva Assis, Jésus Rodríguez Rodríguez**

*55 Emergency Online Exams in Higher Education in Denmark*

**Stefan Ting Graf, Hanne Fie Rasmussen**

*158 Teachers' perceptions of digital learning resources in school education in the Canary Islands*

**Sebastián Martín Gómez**

## **S4 Inclusion**

Room 7

Moderator Jesus Rodriguez (University of Santiago de Compostela)

*143 Title: Use of E-books in special education: what use?*

**Barbara Letteri, Giuseppe Filippo Dettori**

*159 Teacher perception on the knowledge and use of curricular materials for pupils with ASD*

**Marcos Pinaque Varela, Jesús Rodríguez Rodríguez, María Montserrat Castro Rodríguez**

*49 The use of technology and attention to diversity: a case study*

**Tania Caamaño Liñares, María Montserrat Castro Rodríguez, Diana Marín Suelves, Jesús Rodríguez Rodríguez**

**13.10 - 14.30**

**Lunch**

Camera di Commercio  
Sala Borsa Valori



14.30 - 16.20

Parallel Session E

Camera di Commercio

**S1 Reading**

Room 4

Moderator Alessandra Anichini (INDIRE)

*165 Absorbing Narratives and Motivation to Read: A Mode-Effect Study on Young Readers*

Lotta-Sofia La Rosa

*81 Adolescents' mind wandering during reading on paper and screen*

Viktoria Holsey Foss

*153 Assignments for reading literacy development*

Karel Stary

*122 History of Grandparents: a reading book that circulates in Guinea Bissau*

Ró Gilberto Gomes Cá, Tânia Maria F. Braga Garcia

*21 Reading for teachers: analysis of Pedagogical Manuals published in Brazil from 2010 on*

Leia de Cassia Fernandes Hegeto, Yan Soares da Silva

**S2 Games and robots**

Room Corsi

Moderator Thomas Illum Hansen (UCL University College)

*93 Fundamentals necessary for the development of digital educational games*

Marcelo Paranhos, Alvaro Emilio Leite, Alisson Antonio Martins

*95 Serious games for Children used on mobile phones*

Carmen Denébola Álvarez-Seoane, Marcos Pinaque Varela, Jesús Rodríguez Rodríguez

*11 Which resources for teaching informatics? A case study in french elementary education*

Georges-Louis Baron, Kummer Pascale

*37 Historical video games as an Educational Media in secondary schools in Québec. The case of Assassin's Creed Discovery Tour"*

Marc-Andre Ethier

*65 Teaching programming and science in adults' high school by means of educational robots*

Maria Rita Otero, Maria Paz Gazzola





**S3 Online teaching and learning**

Room 7

Moderator Francesca Pestellini (INDIRE)

*149 The use of educational medias during the pandemic*

Michael Dahl

*156 Online collaborative learning in the distance education during the Covid-19 pandemic*

Sara Mori, Serena Greco, Elena Mosa, Alessia Rosa

*13 Support of Self-Regulated Learning in Blended Courses*

Karla Brücknerová

**S4 Art and music**

Room 3

Moderator Eric Bruillard (Paris University, President of IARTEM)

*41 Learning Materials in Art Galleries and Museums as a Means of Non-formal Education*

Miloš Makovský, Dagmar Myšáková

*58 The textbook in the professional training of the children's choir conductor*

Micheline Prais de Aguiar Marim Gois

*98 The invisibility of women in the media resources of Brazilian Art textbooks*

Andréia Schach Fey, Margarida Gandara Rauen,  
Guilherme Gabriel Ballande Romanelli

**S5 Theories and projects (1)**

Auditorium

Moderator Zuzana Sikorová (University of Ostrava)

*160 Learning resources conceptualization, related research methodologies*

Aude Seurrat, Catherine Ayme

*152 School education in the perspective of Habermas' rationality: implications for textbooks and digital resources*

Paolo Boero

*145 The use of educational media/learning resources in upper secondary school: presentation of a new project*

Merethe Roos, Kari Hernæs Nordberg, Anne-Beathe Mortensen-Buan

*84 Textbook research as a university discipline - a long pathway*

Guilherme Gabriel Ballande Romanelli

**17.00 - 19.30**

**Visit to the Opera del Duomo Museum**





## Conference day 3: Friday 8 April 2022

8.45 - 9.00	<b>Registration</b>	Camera di Commercio
9.00 - 10.20	<b>Plenary Session</b> <i>Roundtable: Research about textbooks and educational media: what to do?</i>  Eric Bruillard (Paris University, President of IARTEM), Barbara Turchetta (University of Bergamo), Akira Ninomiya (Emeritus Professor at Hiroshima University), Andy Smart (Education and Textbook Consultant)	Auditorium  Room Borsa Valori
10.20 - 10.40	<b>Coffee break</b>	
10.40 - 12.10	<b>Parallel Session F</b>	Camera di Commercio
	<b>S1 Theories and projects (2)</b> Moderator Thomas Illum Hansen (UCL University College)  <i>60 Scaffolding with learning technology in project-based learning</i> Hanne Fie Rasmussen, Stinus Lundum Storm Mikkelsen  <i>163 Mapping the context of resource production and exchange in higher education: Chemistry, GEA and GTE</i> Magali Roumy Akue, Pascale Kummer, Solène Zablot  <i>36 The matter of matter in craft learning - Materialities as semantic learning resources in craft Vocational Education and Training (VET) with an agential realism approach</i> Malis Ravn	Auditorium
	<b>S2 Contexts (1)</b> Moderator Georges Louis Baron (Paris University)  <i>39 Invisible technology in a unique case study</i> Diana Marín Suelves, M. Isabel Vidal Esteve, Donatella Donato  <i>78 Place-based writing as a learning resource for scholars</i> Iben Brinch  <i>151 70 Years Cloze Measurement – Lessons from Validity Controversy, Perspectives and Textbook Research Integration</i> Silviya Yotova	Room Corsi





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### S3 Resources

Room 4

Moderator Caterina Ferrini (IUL)

*9 Schoolbooks and inclusion: an exploratory survey*

Damiano Meo, Luigi d'Alonzo

*155 Use of electronic resources in primary school teaching*

Jana Stara, Alžběta Vodrážková

*74 The textbook as technology - some aspects of STS studies*

Kelly Vanessa Fernandes Dias da Silva; Alysson Ramos Artuso

### S4 Contexts (2)

Room 7

Moderator Yvonne Behnke (HU Berlin)

*19 Natural and social scientific knowledge in school textbooks and the construction of planetary identity: a historical review since the 1970s in Spain*

Kira Mahamud Angulo, Gabriela Ossenbach Sauter

*100 The sharing of meanings between students, researchers and the didactic material in the analysis of a Fiocruz-PR scientific dissemination project*

Milena Santiago dos Passos de Lima, Nestor Cortez Saavedra Filho

*2 A historical study of global English spread: Examining Taiwanese English textbooks in the past 50 years*

I-Chung Ke

12.10 - 13.00

### Plenary Session

**Keynote: Gert Biesta** – Professor of Public Education in the Centre for Public Education and Pedagogy at Maynooth University, Ireland, and Professor of Educational Theory and Pedagogy, University of Edinburgh, Scotland

Camera di Commercio  
Auditorium

*World Centred Education. A view for the Present*

13.00 - 13.30

### Conclusion

### Only for IARTEM members

14.30 -15.00

Visit to the INDIRE Library

Salone Lombardo Radice  
Via Buonarroti

15:00 -16:30

IARTEM Meeting

