

Factors Guiding Your Way to Success in Hybrid Learning

Christine Bauer

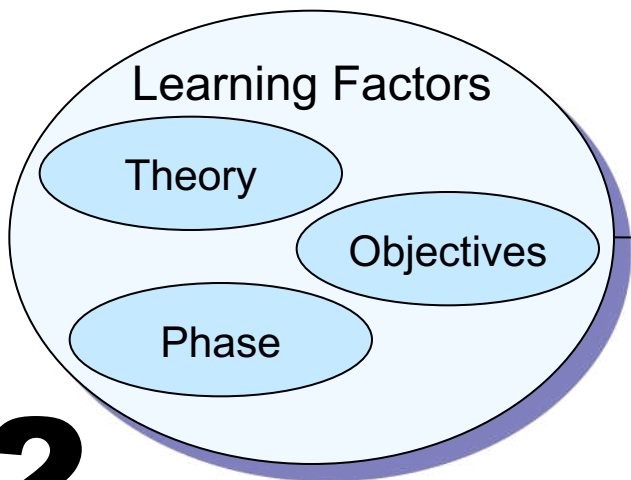
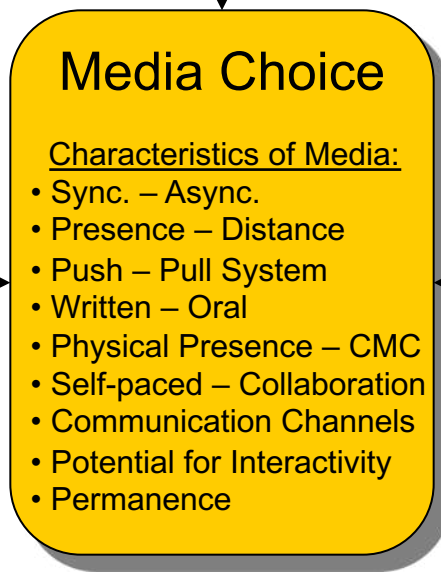
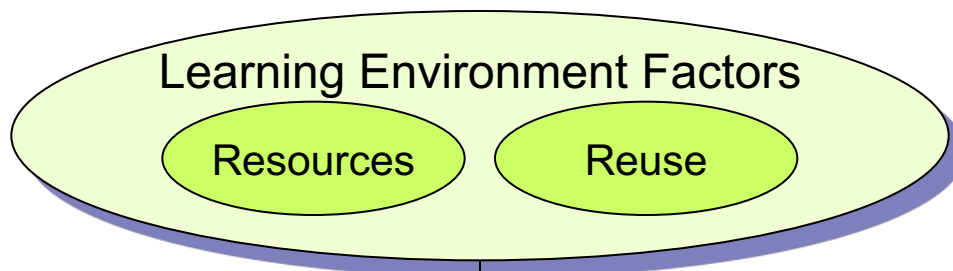
(christinebauer@gmx.at)

Michael Kovacs

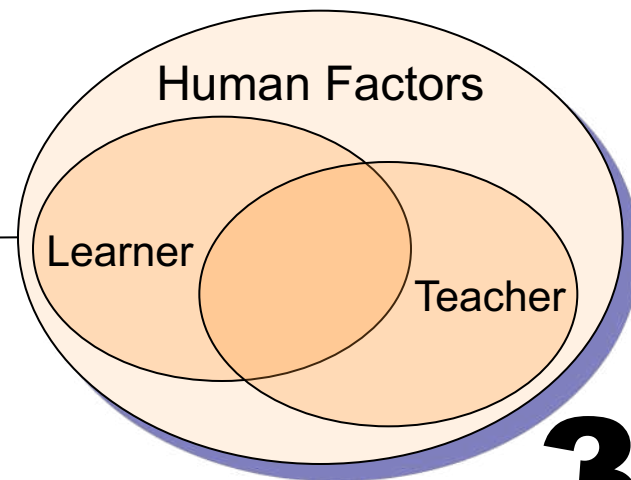
(kovacs@ibab.tuwien.ac.at)

Agenda

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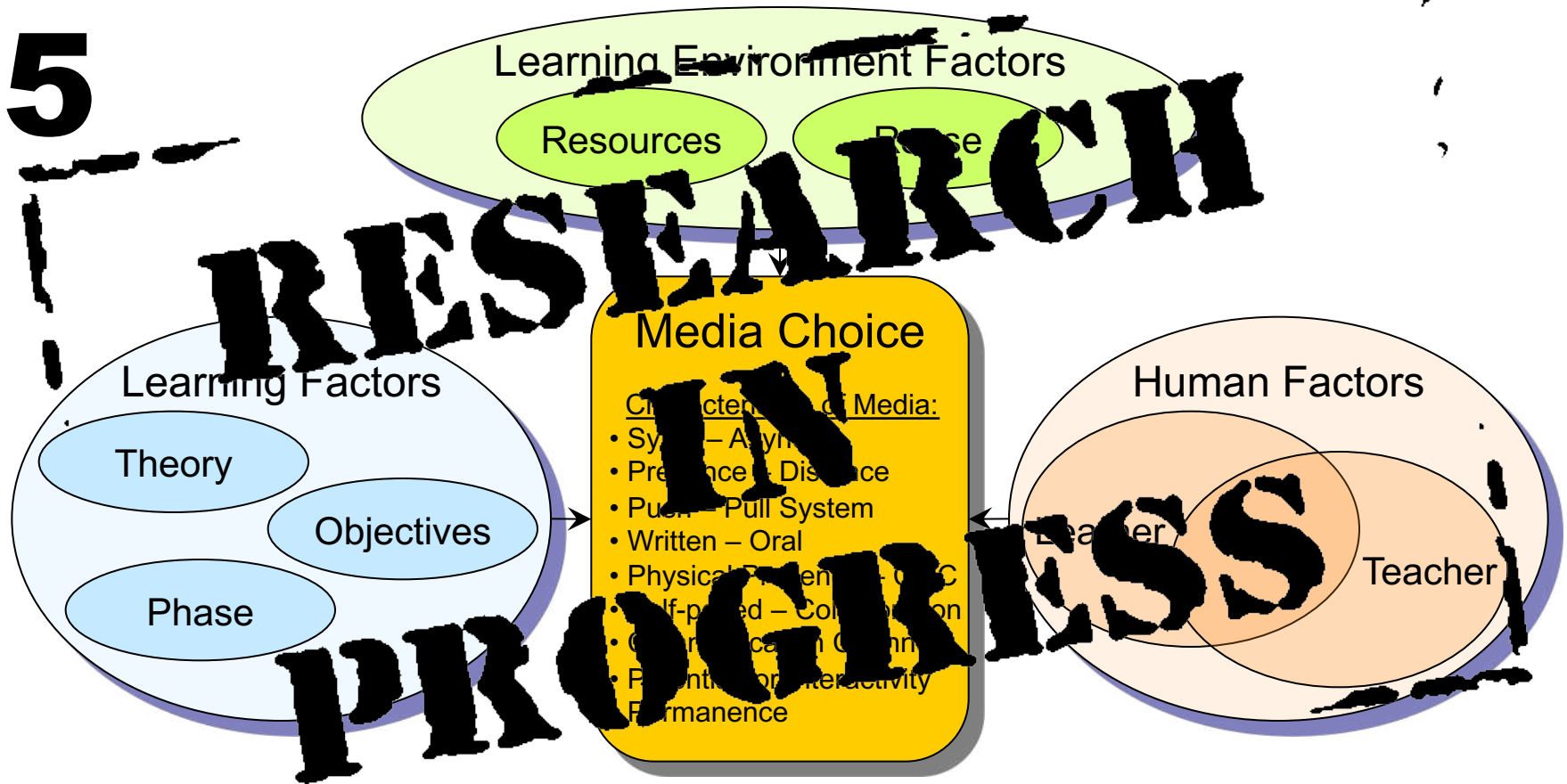


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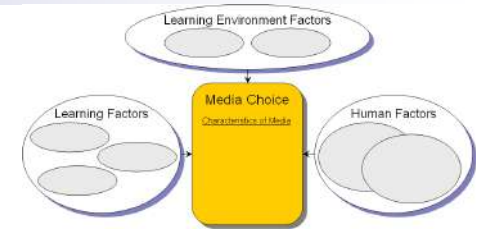
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Agenda

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Characteristics of Media



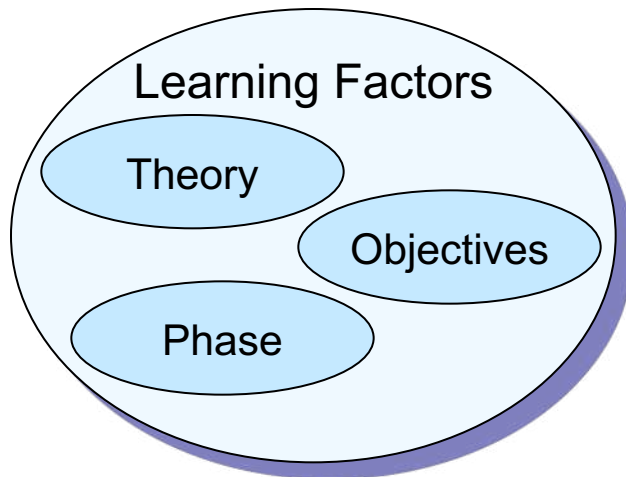
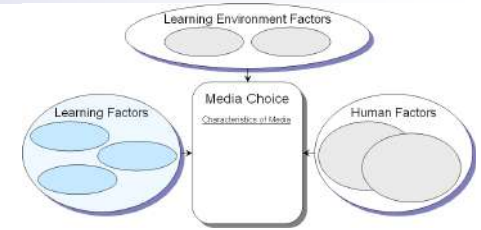
Media Choice

Characteristics of Media:

- Sync. – Async.
- Presence – Distance
- Push – Pull System
- Written – Oral
- Physical Presence – CMC
- Self-paced – Collaboration
- Communication Channels
- Potential for Interactivity
- Permanence

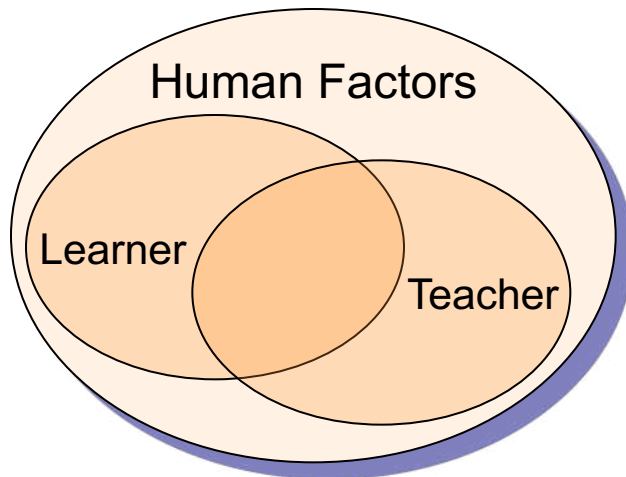
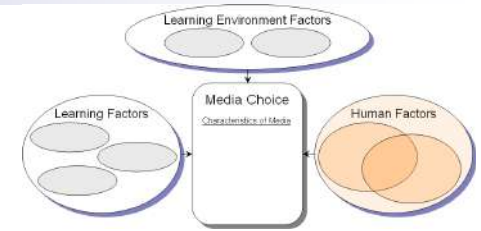
- **Synchronous – Asynchronous**
- **Presence – Distance
(Same Place – Distributed)**
- **Push System – Pull System**
- **Written – Oral**
- **Physical Presence –
Computer-Mediated
Communication**
- **Self-paced – Collaboration**
- **Communication Channels
(1:1, 1:n, m:n)**
- **Potential for Interactivity**
- **Permanence**

Learning Factors



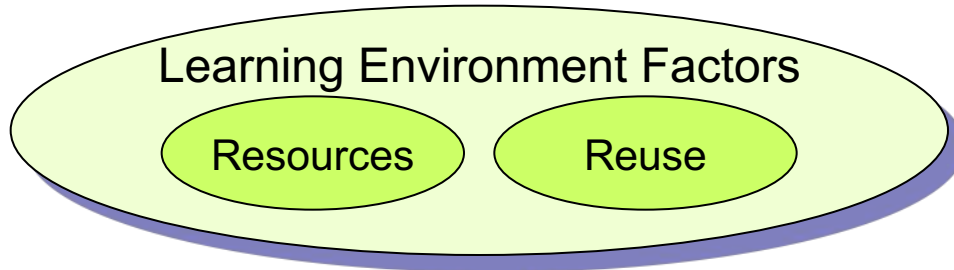
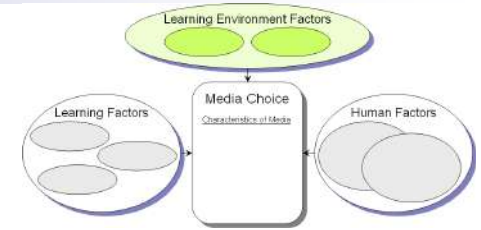
- **Learning Theory**
 - Based on e.g., Behaviourism, Constructivism
- **Learning Objectives**
 - Subject of Learning Content
 - Domain of Learning Objectives
- **Learning Phase**
 - E.g., Knowledge Representation, Assessment of Learning Progress

Human Factors



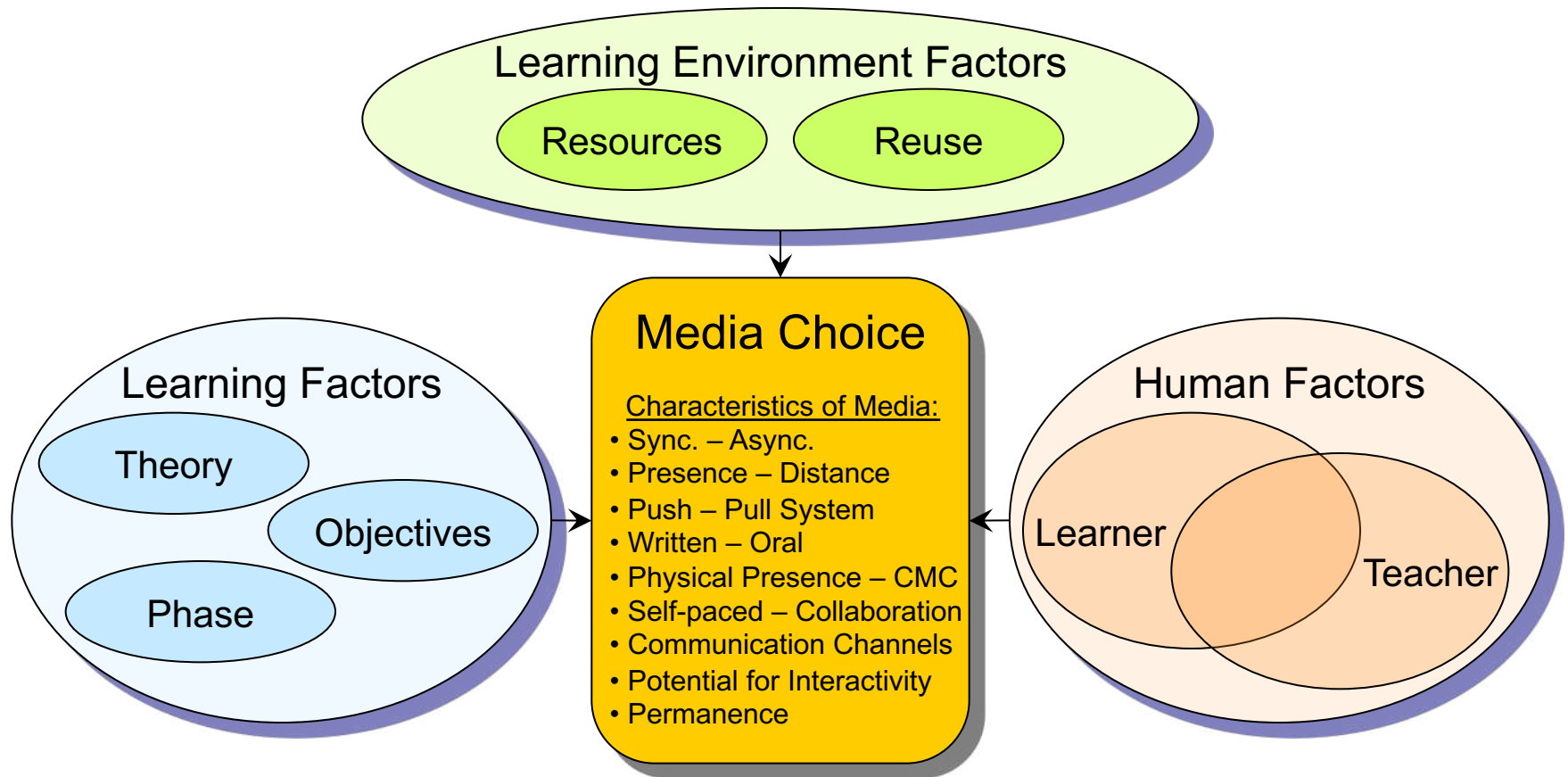
- **Variables of Both Learners and Teachers**
 - Experience with Media
 - Media Acceptance
 - Media Preferences
- **Learner Specific Variables**
 - Learning Styles (Learning Habits)
 - Motive for Learning
- **Teacher Specific Variables**
 - Didactical Competencies
 - Production Competencies

Learning Environment Factors



- **Availability of Resources and Media**
 - **Institution**
 - **Human (Personnel) Resources**
 - **Technical (Material) Resources**
 - **Budget**
 - **Learner**
- **Reuse of Existing Learning Material**
 - **E.g., Easier & More Efficient Reuse of Electronically Available Material**
- **Invitation of Experts**

Overview



Research in Progress...

**RESEARCH
IN
PROGRESS**

- Mapping between Media Characteristics and Factors (Matrix Framework)
 - Postulation of Hypotheses
- Validation of Appropriateness and Adaptation of the Framework
 - Cross-check with Past Courses
 - Assisting Teachers in Planning and Delivering New Hybrid Learning Solutions



Thank You for
Your Attention