

CWI

Telling Stories and Commenting on Media: The Next Generation of Multimedia Authoring Tools

Rodrigo Laiola Guimarães

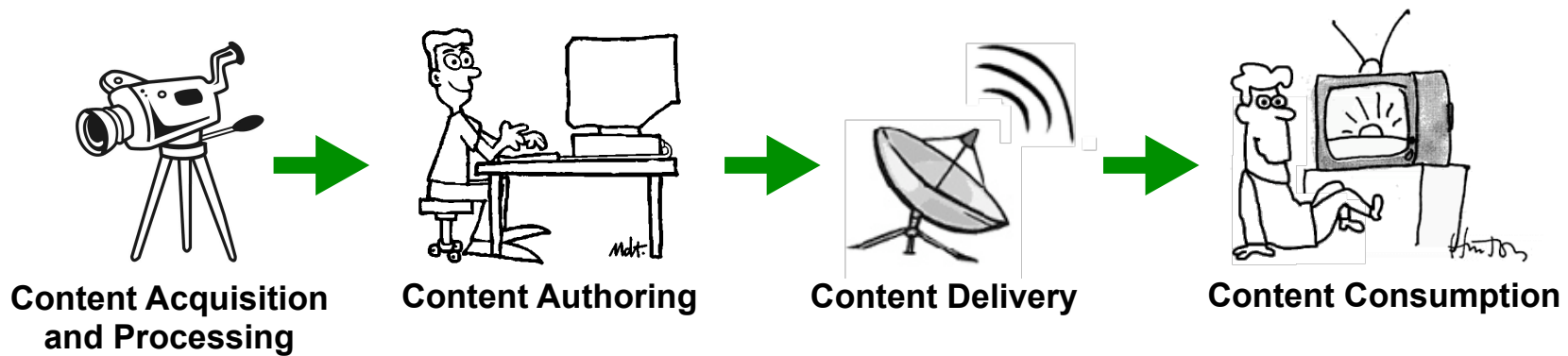
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Advisors: Dick Bulterman and Pablo Cesar

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Motivation

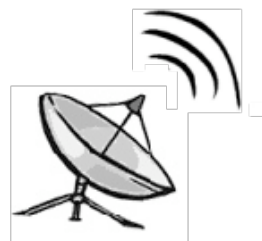
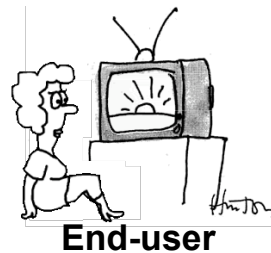
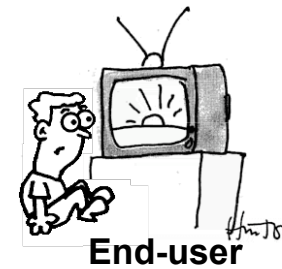
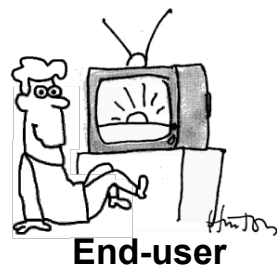
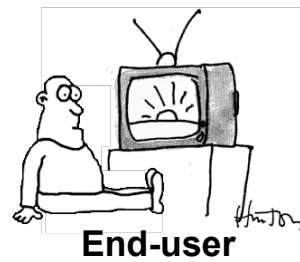
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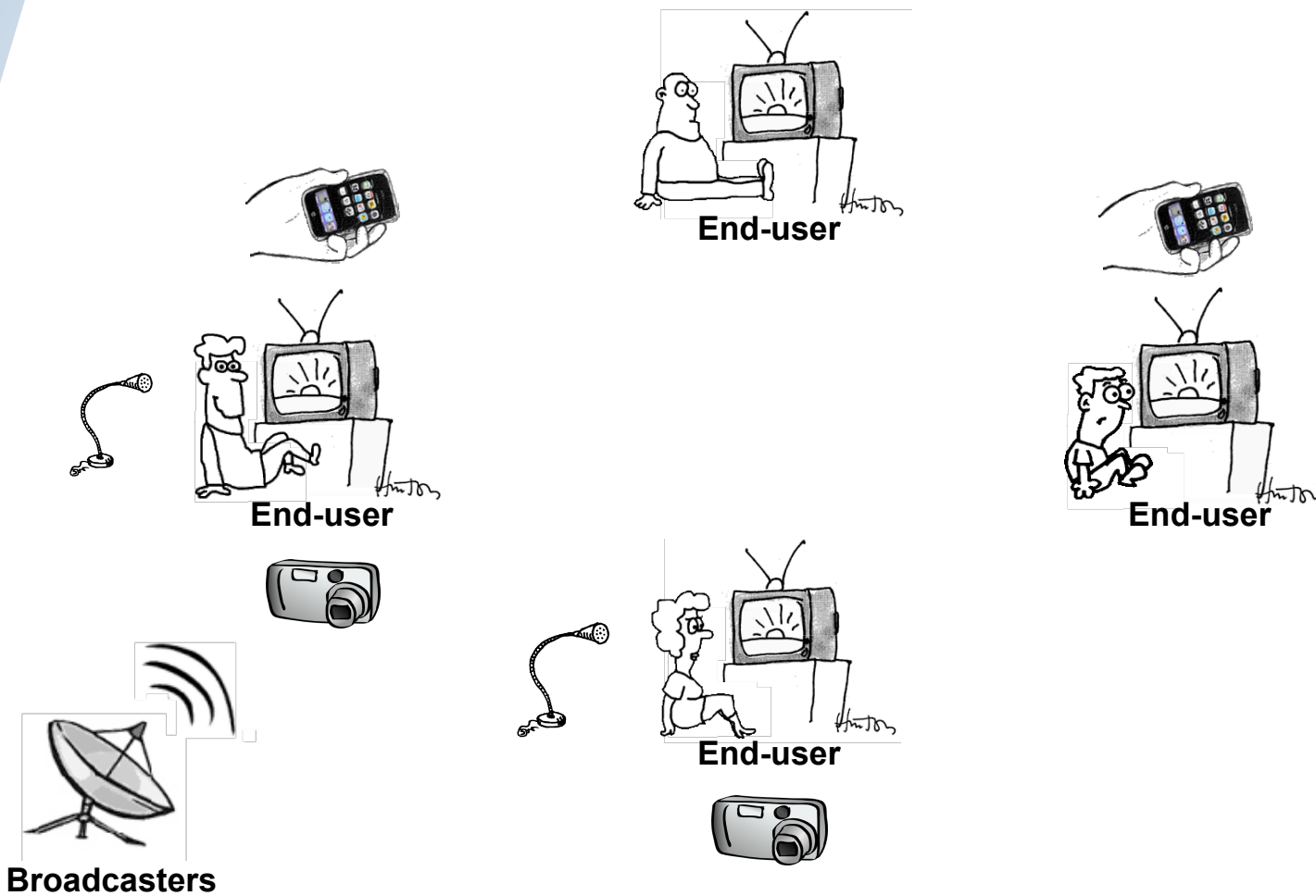
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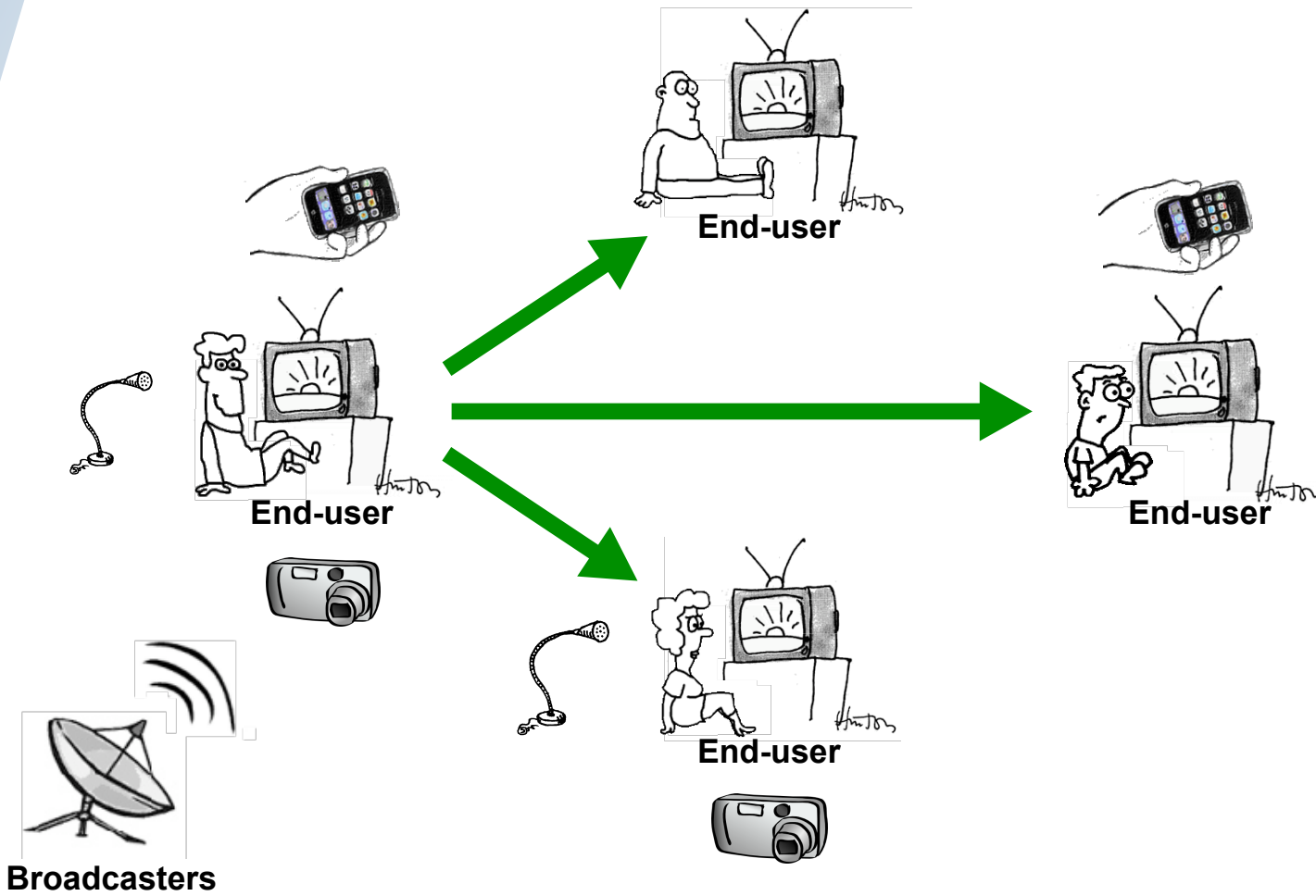
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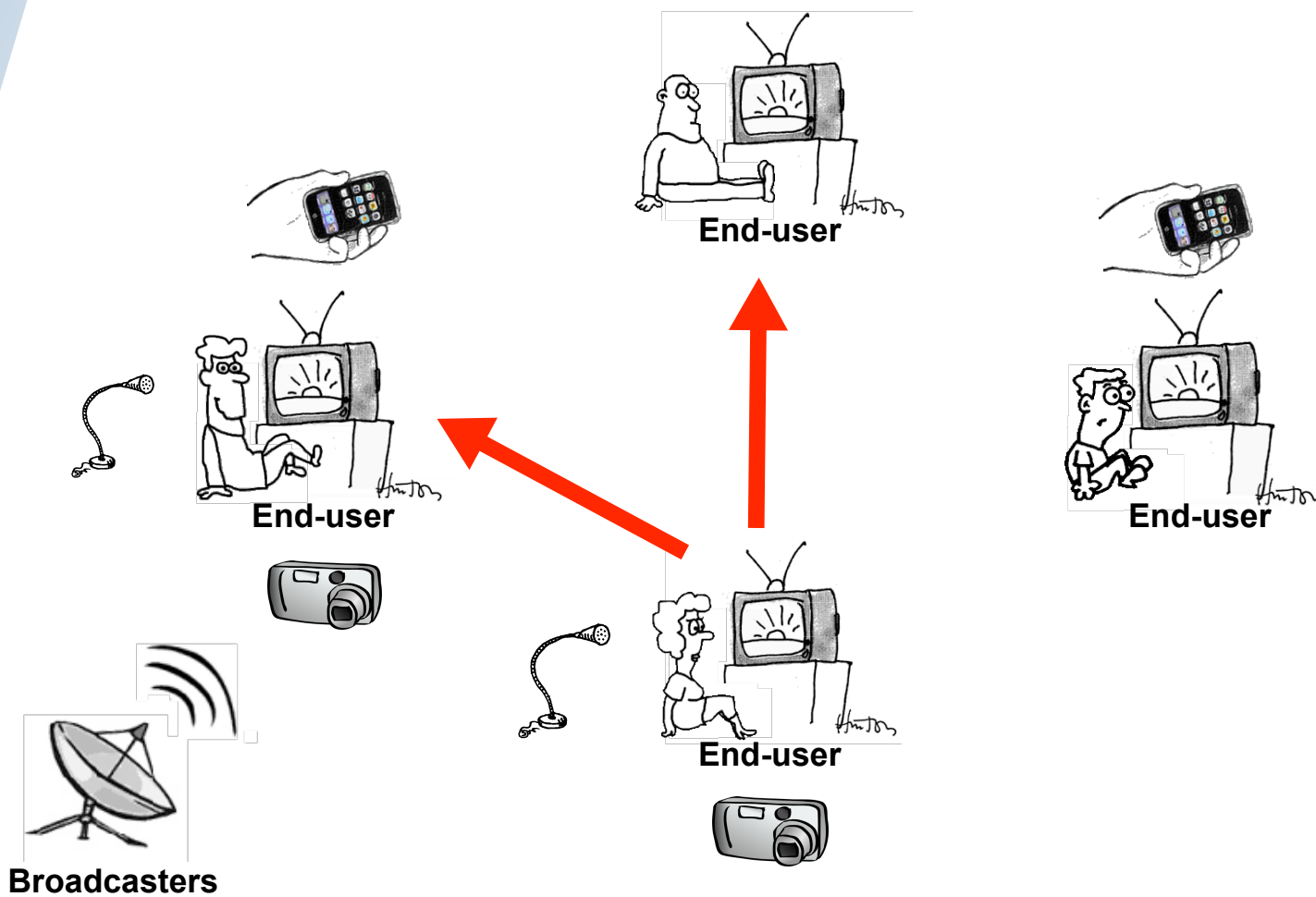
Motivation



Motivation



Motivation



Problem

- **Personalization: shared user experience;**
 - ✗ Content you might like
 - ✓ Share your view with people you know
- **Broadcasters cannot do this, only end-users can;**
- **Ways to personalize media: Tell stories and comment on media.**

Problem

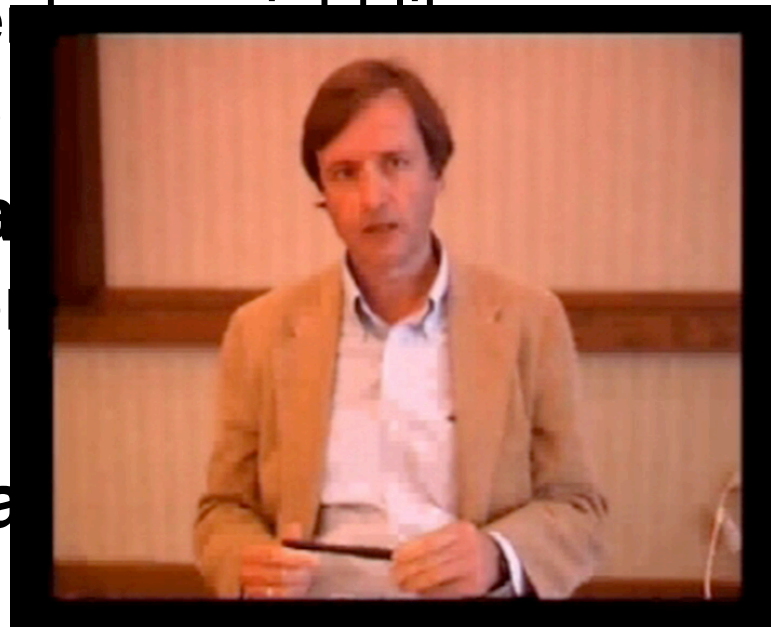
- **Personalization: shared user experience;**

X Content is not shared

✓ Share content

- **Broadcast to all end-users**

- **Ways to tell stories and**



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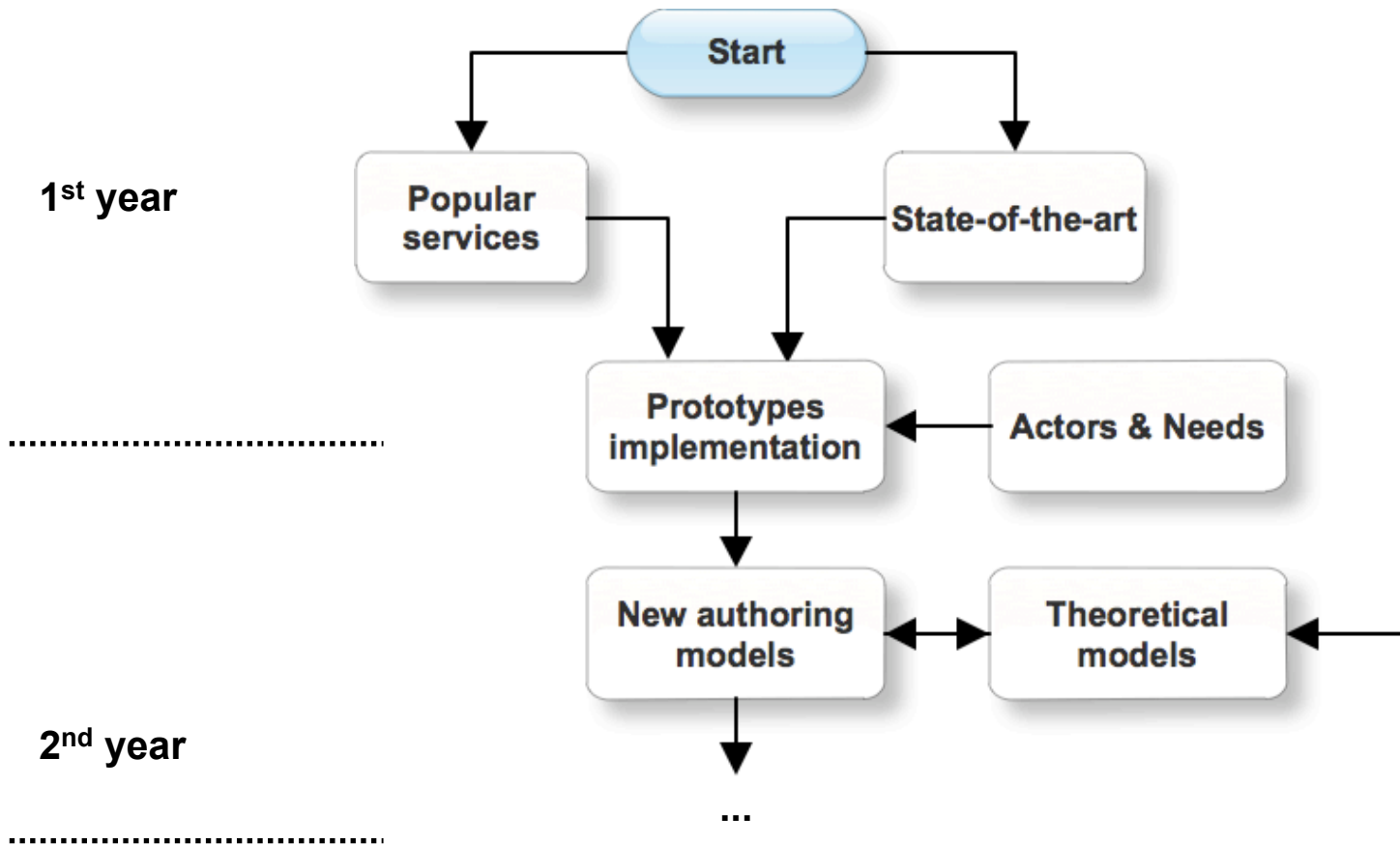
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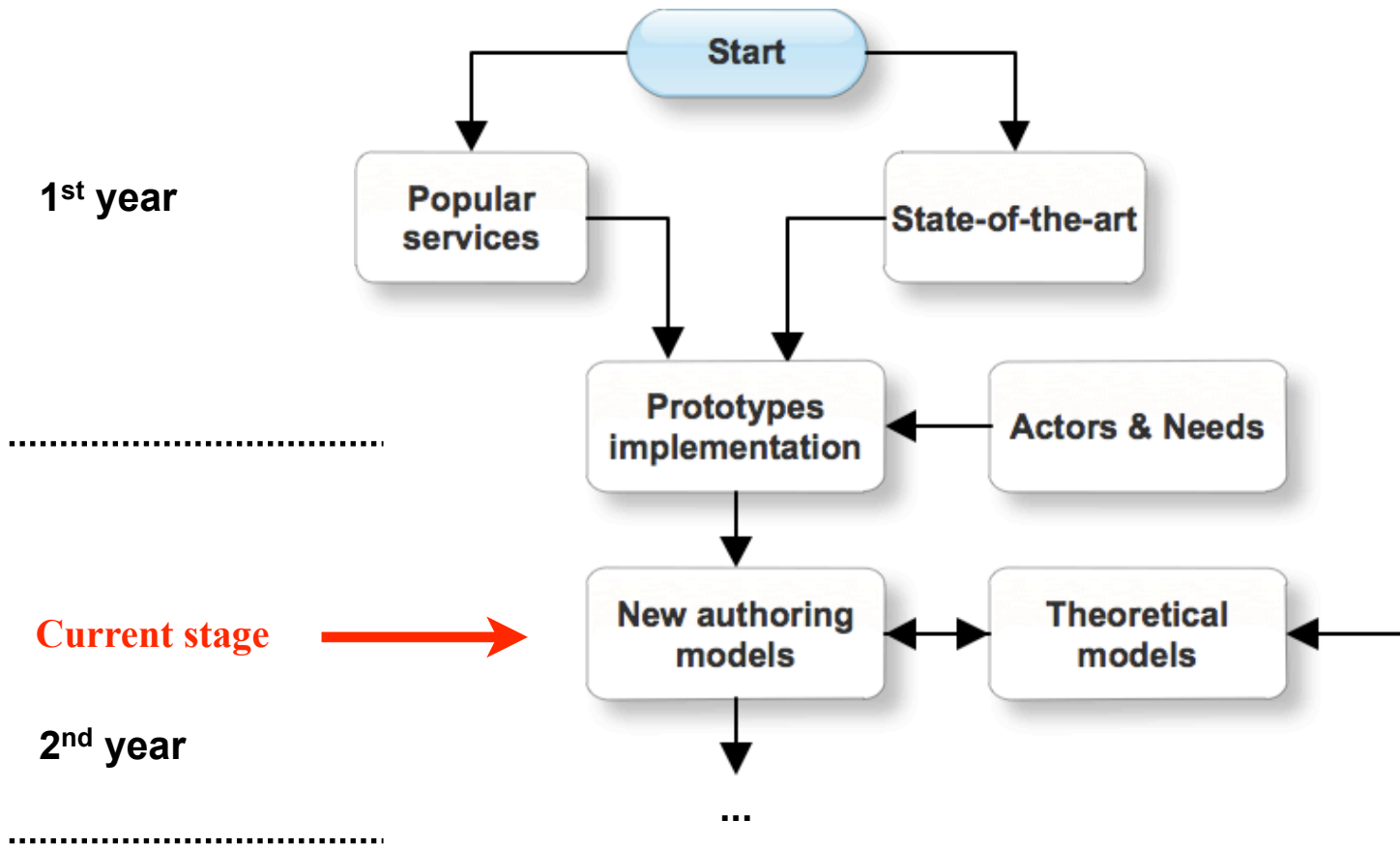
Related Work

- **Jens F. Jensen: classifications and typologies in the new media landscape;**
- **Janet H. Murray and Sergio Goldenberg: design framework for creating iTV products;**
- **David A. Shamma et al.: Watch what I watch;**
- **Luiz Fernando G. Soares et al.: NCL and Ginga;**
- **Maria da Graça Pimentel et al.: Viewer-side enricher for Brazilian DTV system;**
- **Marianna Obrist et al.: Ethnographic aspects in iTV.**

Timeline



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Ex. 1: Pan/Zoom Tool

- **Allow authors to define a dynamic storyline composed by audio commentaries and visual effects over images.**



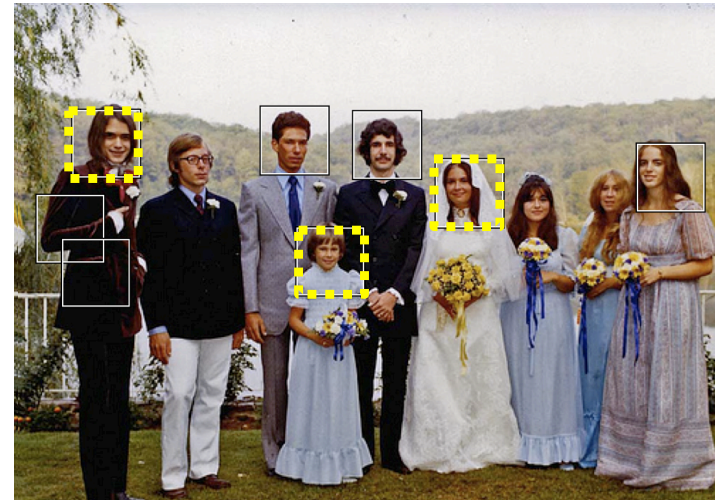
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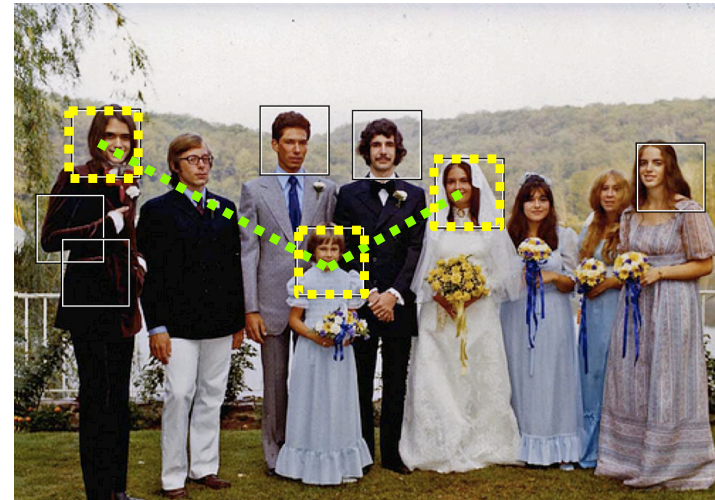
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Ex. 2: TA2 MyVideos



- **Enable users to create personalized videos of an event based on content posted to a shared media pool;**
- **Unlike many collaborative systems, the goal is to serve as a resource that can be used by a community to serve individual needs.**

Ex. 2: TA2 MyVideos

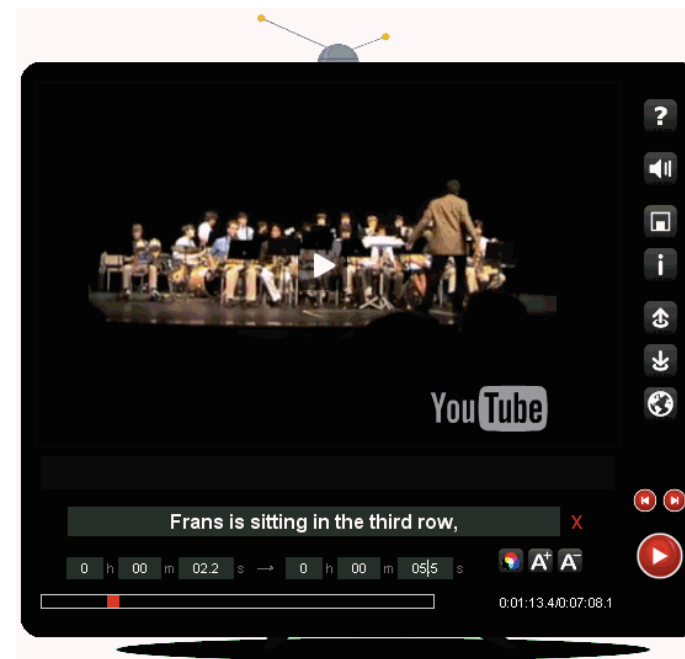


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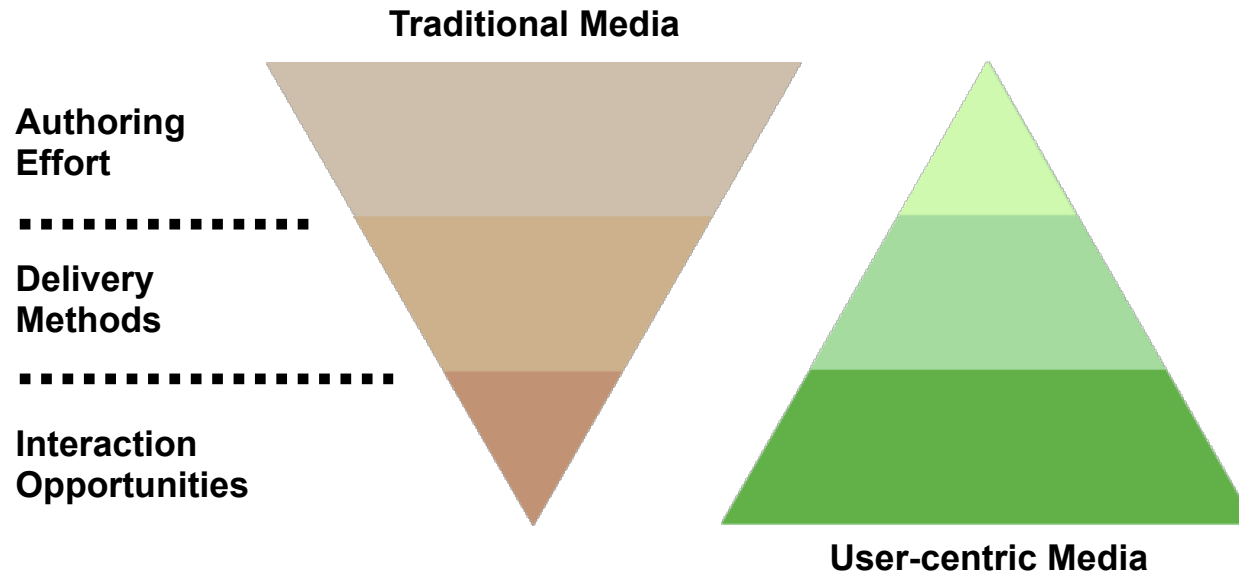


Ex. 3: Captioner

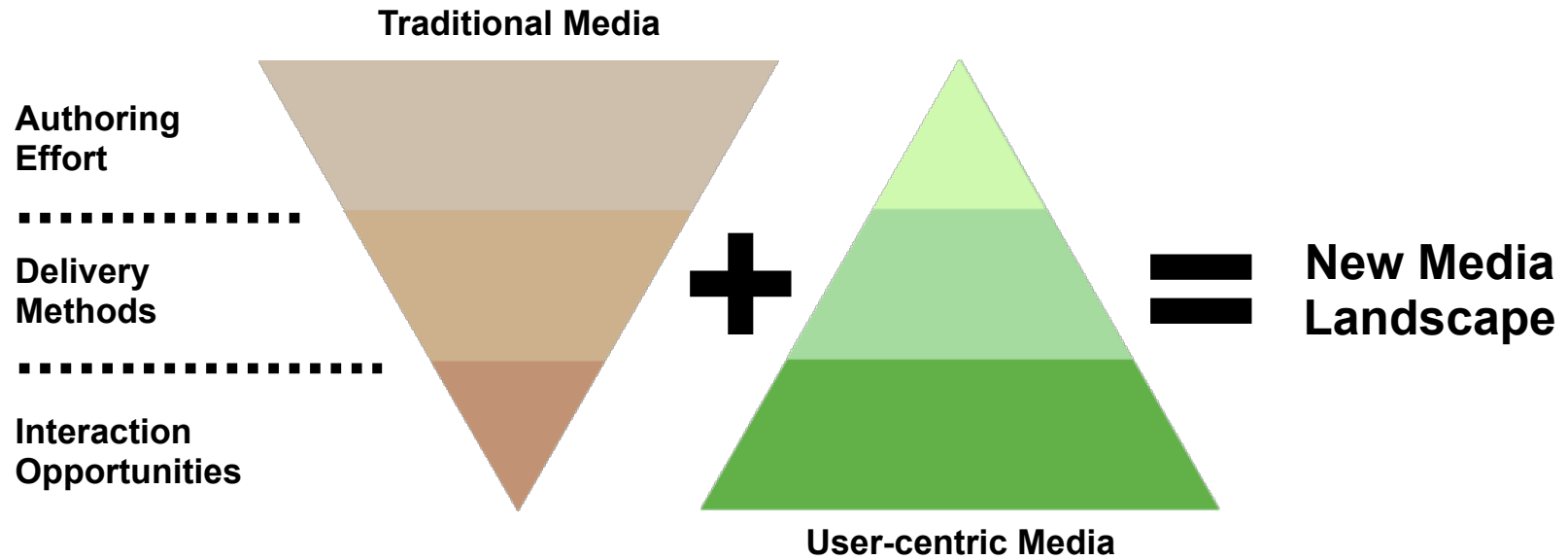
- **Used for incidental labeling and for inserting personal comments directed to friends and family members;**
- **Ability to predict the timing and the temporal alignment of the inserted captions.**



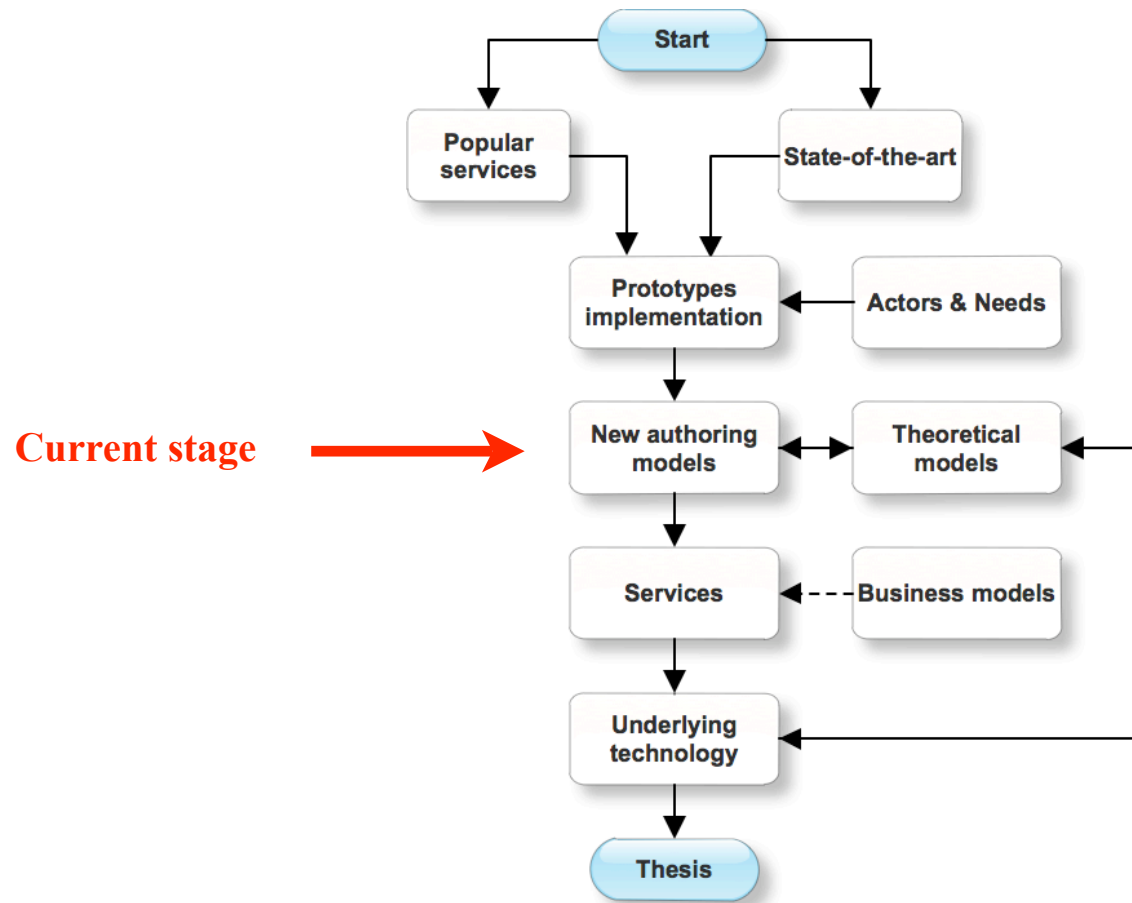
Lessons learned



Lessons learned



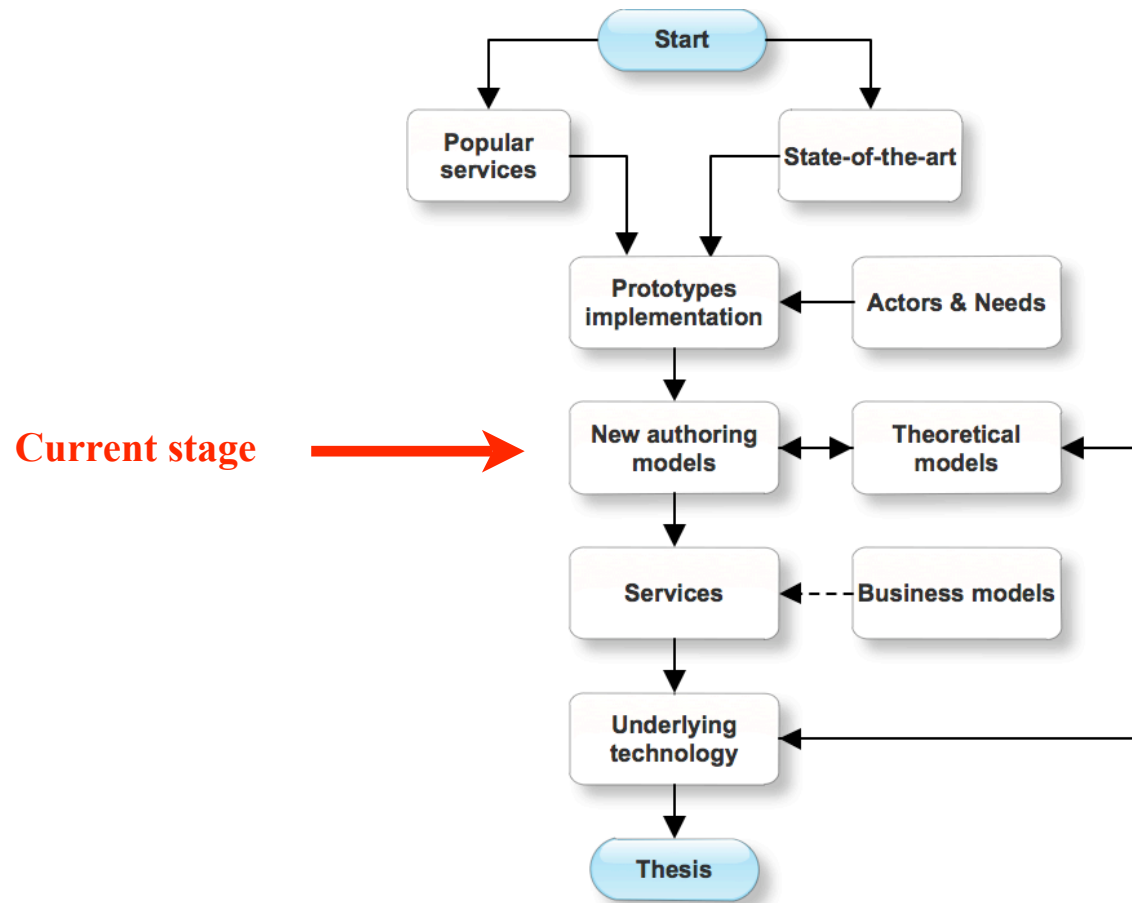
Approach



Open Questions

- **Has the user-centric media research materialized in theoretical models and in the underlying technology?**
- **How to model these authoring approaches in a fundamental way?**

Approach



Next Steps

- **Collaboration with HCI groups: user evaluation and identification of other authoring models;**
- **Identification of actual services and specification of the underlying technology for next generation user-centric authoring systems;**
- **This will be done in the context of the European Project Ta2 (<http://www.ta2-project.eu/>).**

Publications

- **EuroITV 2008: Authoring from the Couch: Research Directions and Possibilities;**
- **Book chapter in 2009: Television Content Enrichment and Sharing: The Ambulant Annotator;**
- **ACM MM: submitted (Captioner);**
- **DocEng: to be submitted (Pan/Zoom tool).**

Contact

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