Boxed Economy

Boxed Economy Simulation Platform and Foundation Model
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Agenda

1 Intro to Boxed Economy approach
2 Boxed Economy Simulation Platform
3 Boxed Economy Foundation Model
4 The comings in the near Future
Intro - The roots of Boxed Economy -

Boxed Economy is composed by the “Model” part and the “Platform” part. Model is in charge to declare the behavior of the model. Platform is in charge to Control or Manage the simulation.

Overview image of Boxed Economy
Agenda

1. Intro to Boxed Economy approach
2. Boxed Economy Simulation Platform
3. Boxed Economy Foundation Model
4. The comings in the near Future

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### BESP - Objectives of platform building -

**Difficulties of conducting a "Modeling to Simulation" Approach**
- Difficulty of Continuous & Consistent Research
- Difficulty of Collaborative Research
- Difficulty of Creating the tools for presentation

**Achievements by using a platform**
- Enables Cumulative Research
- Enables Collaborative Research
- Ensures at least the minimum Quality
- Enables to concentrate on Actual Modeling
- Liberalization from creating the presentation

#### Boxed Economy Simulation Platform

### BESP - The Structure -

**Model Components**
- BEFM (Boxed Economy Foundation Model)

**Presentation Components**

**Box Operating System (BOS)**
- Java VM
Demonstration

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Boxed Economy Foundation Model

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BEFM -The Structure-

BEFM is not an specific model used for a certain case of simulation. IT IS A FOUNDATION FOR ALL MODELS

An Agent in the BEFM is able to change its choice of behavior dynamically. Each components can be implemented in parallel as long as they keep the rules. By using the Path, Agents exchange everything with other objects in the model. If they exchange words, it would be described as a communication.
Demonstration 2
**Agenda**

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**The coming Future -Our Schedule ahead-**

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<tr>
<td><strong>Target</strong></td>
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<tr>
<td>- Completion of BESP (ver0.8b)</td>
<td>- Completion of Documentation (Japan)</td>
<td>- Completion of Documentation (English)</td>
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<td><strong>Explanation</strong></td>
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<td>- BESP would be updated, the technical design and the codes would be more sophisticated by this time compared to the present model.</td>
<td>- We would be ready to share BESP, BEFM and some sample models by this period.</td>
<td>- We would be hopefully ready to send out the documents and all the support materials in ENGLISH.</td>
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<td>- Support documents such as &quot;user's guide&quot; and &quot;technical materials&quot; would be prepared by this time. But it would only be available in JAPANESE.</td>
<td>- Boxed Economy would be available via CD-Rom, WWW downloading. (We will be happy to send out the materials if you give us your addresses by cards or emails)</td>
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The following models would be delivered with BESP!!!
Thank you for your cooperation