



Animal Welfare, Environment and Food Quality interaction studies in Central and South-eastern Europe in virtual environment

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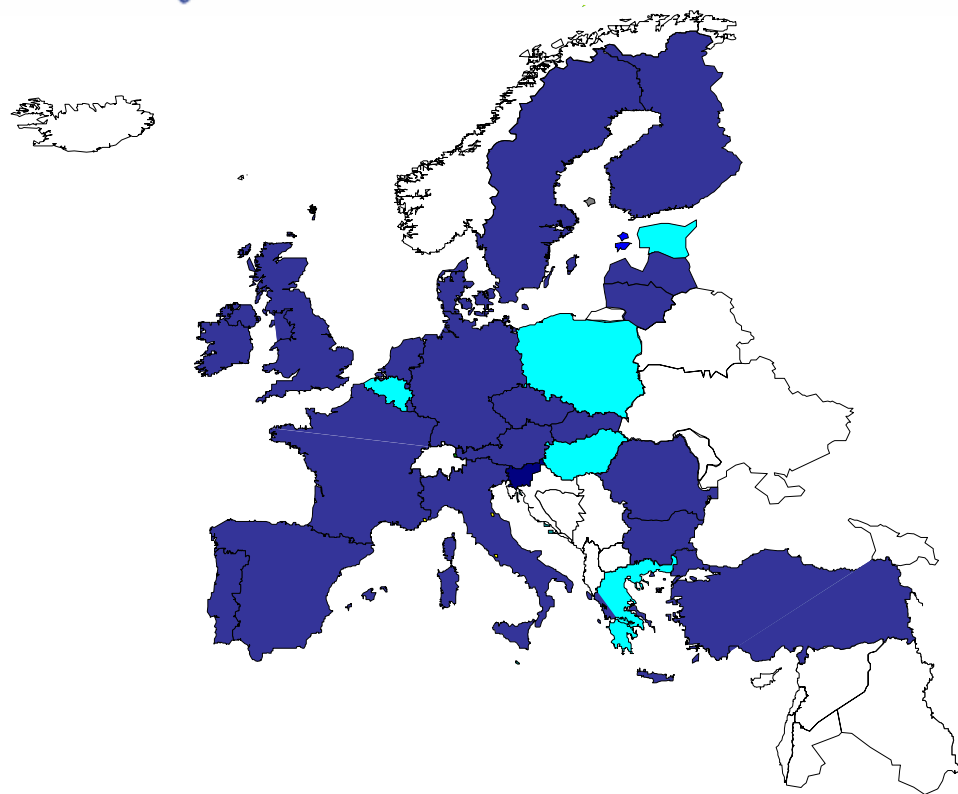




EAAP 2009

60th Annual Meeting of the European Federation
of Animal Science

Fira de Barcelona. Barcelona, Spain. August 24-27, 2009



TEACHING ANIMAL WELFARE ENVIRONMENT FOOD QUALITY INTERACTION STUDIES IN VIRTUAL ENVIRONMENT

LdV Pilot Project
HU-04-B-F-PP-170001
(2004-2007)



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Szent István University (HU) – Faculty of
Agricultural and Environmental Sciences



Katholieke Universiteit Leuven (BE) –
Zootechnical Centre R & D



Estonian University of Life Sciences (EE) –
Institute for Veterinary Medicine



National Agricultural Research Foundation
(GR) – Animal Research Institute



Polish Academy of Sciences (PL) –
Institute of Genetics and Animal Breeding



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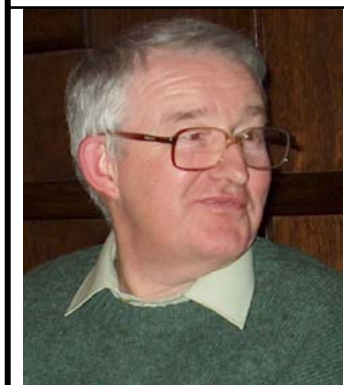
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EVA

**ENDRE
TADEUSZ**



**JAAN
RONY**



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VEINO





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STATE OF THE ART

1. Development of education system for training in virtual environment
2. Interest for animal welfare has been increasing societal awareness in relation to food quality and safety
3. Computer assisted education has world wide accessibility at any time

TOPICS ASSIGNED TO COURSES

1. Animal welfare (WP1)
2. Environmental impacts on and of animals (WP2)
3. Food quality and safety (WP3)

PROJECT MANAGEMENT

4. Testing and feedback (WP4)
5. Coordination (WP5)



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TOPICS WERE ASSIGNED INTO THREE COURSES

1. Animal Welfare
2. Environmental impacts on
and of animals
3. Food quality and safety



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I. Animal Welfare

- Ethical views concerning how to treat animals
- Definitions of animal welfare
- Welfare assessment of production systems
- Improving welfare status of animals in the production chain
- Effect of transport and preslaughter handling on welfare



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II. Environmental Impacts on and of Animals

- Nutrient efficiency, emissions, manure handling and processing
- Challenge of artificial environment to domestic animals: problems to be solved in relation to quality issues of local food products

III. Food Quality and Safety

- On farm risk analysis
- HACCP at farm level
- Food from GMOs
- Animal welfare implications of farm assurance systems
- Traceability and transparency “from fork to farm”
- Animal welfare * environment * food quality interactions

TARGET GROUPS

A. Vocational training

B. Higher education

B.Sc.

M.Sc.

Ph.D.



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INSTRUMENTS

In line with the aims of Lisbon Strategy driving force for the application of e-learning was gained through enhanced motivation towards information and communication technology (ICT) having high didactic and added value, and rapid transfer of knowledge in a fast and efficient way.*

- * Working together for growth and jobs. A new start for the Lisbon Strategy. Communication from President Barroso in agreement with Vice-President Verheugen. COMMISSION OF THE EUROPEAN COMMUNITIES, Brussels, 02.02.2005 COM. 1-34. p.



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ADVATAGES OF E-LERANING

- Reduced overall cost and learning time
- Consistent delivery with asynchronous, self-paced learning
- On-demand availability to complete training at off- hours
- Self-pacing for slow or quick learners may reduce stress and increase satisfaction



ADVATAGES OF E-LERANING

- The interactivity engages users, pushing them rather than pulling them through training
- Confidence that refresher or quick reference materials are available



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COURSE HOMEPAGE

<http://www.welfood.szie.hu>

using Moodle* course management system (CMS)
a free Open Source software package designed
using sound pedagogical principles to help
educators create effective online learning
communities.

*

<http://moodle.org>



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Teaching materials

1. Concise presentations in English and languages of participant countries
2. Background papers in English
3. Glossary
4. Links to relevant references inside and outside of the course website
5. Exams: quiz and case studies/assays



Example of Main Layout

Topic III: Food Quality and Safety

The screenshot shows the Wellfood E3 interface. The top navigation bar includes a logo and a login status. The left sidebar contains several sections: 'People' (Participants), 'Activities' (Chats, Forums, Quizzes, Resources), 'Search Forums' (Advanced search), 'Administration' (Grades, Edit profile, Change password, Unenrol me from E3), and 'My courses' (Animal welfare, Environmental impact of and on animals, Food quality and safety, All courses...). The main content area is titled 'Topic outline' and lists 'Main content' items: On farm risk analysis, HACCP at farm level, Food and other products deriving from genetically modified organisms (GMOs), Animal welfare implications of farm assurance systems, Traceability and transparency 'from fork to farm', risks and quality assurance, and Animal welfare-environment-food safety interaction: production consequences. Below this is a 'Chat-rooms' section with links to Course chat, Forums, Content development forum, Main glossary, Glossary, News, and News forum. The bottom section is titled 'Topic 1: On Farm Risk Analysis' and lists lessons: Lesson 1: On Farm Risk Analysis (1), Lesson 2: On Farm Risk Analysis (2), Lesson 3: Dairy farm risk analysis (1), and Lesson 4: Dairy farm risk analysis (2). Each lesson has links to 'Full material (pdf)' and 'Additional material for Lesson 1'. A toggle icon (a square with a vertical bar) is located in the bottom right corner of the main content area.

Topic outline section

Course Activities Quick launch section

Course Activities alternative quick launch section

Topics section (full preview disabled)

All topics Visible toggle object



—

Activities

 [Forums](#)

 Resources

—

100 >

[Advanced search](#) 

1

 Grades [Edit profile](#) [Change password](#)

Unenrol me from
welfood3

—

 Animal welfare

 Environmental impact of
and on animals

 Food quality and safety

All courses...

Main content:

- On farm risk analysis
- HACCP at farm level
- Food and other products deriving from genetically modified organisms (GMOs)
- Animal welfare implications of farm assurance systems
- Traceability and transparency 'from fork to farm', risks and quality assurance
- Animal welfare-environment-food safety interaction: production consequences

Chat-rooms

 Course chat

Forums

 Content development forum

Main glossary

 [Glossary](#)

News

 News forum

—

(No news has been posted yet)

1

There are no upcoming events

[Go to calendar...](#)
[New Event...](#)

—

Activity since Friday, 26 May
2006, 06:41 PM

[Full report of recent activity...](#)

Nothing new since your last login



Preferences ...

New Event

Tuesday >>



Monday, 15 May (04:10 PM)

The following quiz is optional



Environmental impact of and on animals

Monday, 15 May (04:30 PM)



Food quality and safety

Monday, 15 May (04:40 PM)

■ Global events
 ■ Course events
■ Group events
 ■ User events

April 2006

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

May 2006

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

June 2006

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	



[Welfood](#) » [Welfood1](#) » [Forums](#) » [Content development forum](#) » The form of ppt slided that will be converted to lessons



< Jump to... >

Search forums

Display replies in nested form



The form of ppt slided that will be converted to lessons

by [Balázs Györök](#) - Sunday, 5 February 2006, 03:34 PM

Dear Users!

Today I sent a round e-mail to all partners regarding the format of ppt presentations that are to be converted to lessons later on.

I guess, all our communication regarding the design should be seen by all of us, thus I opened today this Forum in Animal Welfare course, please feel free to add your comments here to evolve the material together.

Best Regards,

Balázs Györök

[Reply](#)



Re: The form of ppt slided that will be converted to lessons

by [Rony Geers](#) - Sunday, 5 February 2006, 05:47 PM

Dear Balázs,

Thank you for your efforts, this is a really useful tool. I am glad to know that we do not have to retype our ppt-presentations. My other question is related to the lay-out of the webpages themselves, i.e. does the contract require that the LDV-logo appears at each page together with the WELFOOD-logo? Is it possible to give also a login and password to Kristel? Thank you, and

Best regards,

Rony

[Show parent](#) | [Reply](#)

Educational Material Internet Format Example

The screenshot shows a web browser window displaying an educational resource. The page title is "Analysis of the influence of genetic and environmental factors on the level of the somatic cells in milk". The page features a sidebar with navigation links, a main content area with a table of contents, and a footer with a search bar. Annotations highlight specific features:

- Navigation:** A callout box points to the "events" and "upcoming events" links in the sidebar.
- Link to full format:** A callout box points to the "Full paper: Pdf document" link in the main content area.
- Index of Slides:** A callout box points to the "Analysis of the influence of genetic and environmental factors on the level of the somatic cells in milk" link at the bottom of the page.

The sidebar contains the following links:

- Activities
 - Chats
 - Forums
 - Quizzes
 - Resource
- Search For
- Administrative
 - Grades
 - Edi profil
 - Change p
 - Unenrol n
- My courses
 - Animal w
 - Environm
 - and on ar
 - Food qua
- All courses...

The main content area displays a table of contents for the "Analysis of the influence of genetic and environmental factors on the level of the somatic cells in milk" document:

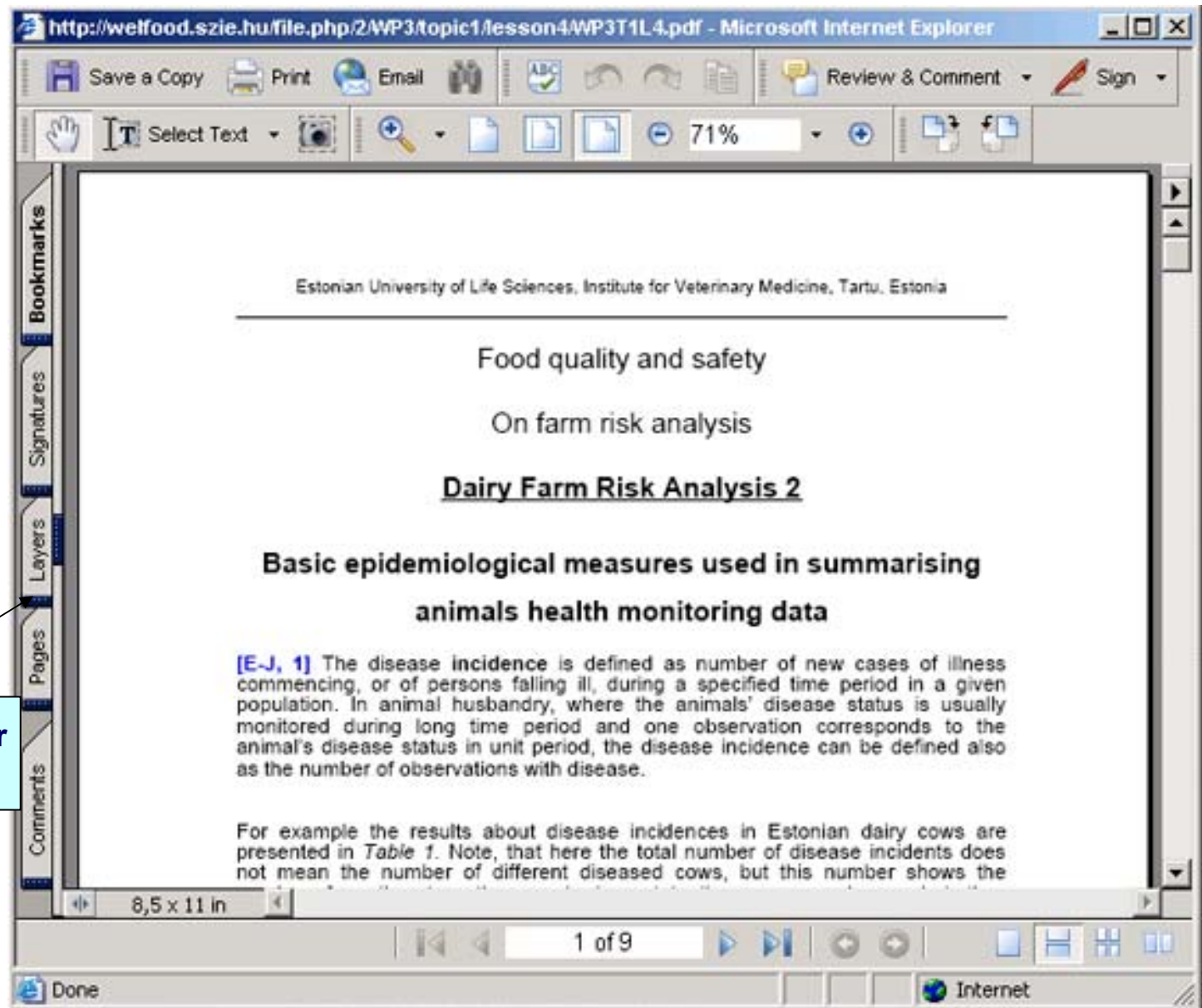
1. Importance of somatic cell count in milk
2. Definition of mastitis
3. Types of mastitis
4. Economical losses due to mastitis
5. Somatic cells count in milk
6. Function of somatic cells
7. Causative organisms for mammary gland inflammation
8. Factors influence on the level of somatic cells in milk
 - 8.1. Environmental factors
 - 8.2. Decrease of somatic cell count in milk by environmental factors
 - 8.3. Genetic factors
 - 8.4. Methods of selection for mastitis resistance

The footer contains the following text:

Analysis of the influence of genetic and environmental factors on the level of the somatic cells in milk

http://wefood.szie.hu/mod/resource/view.php?id=195

Educational Material Full Format Example



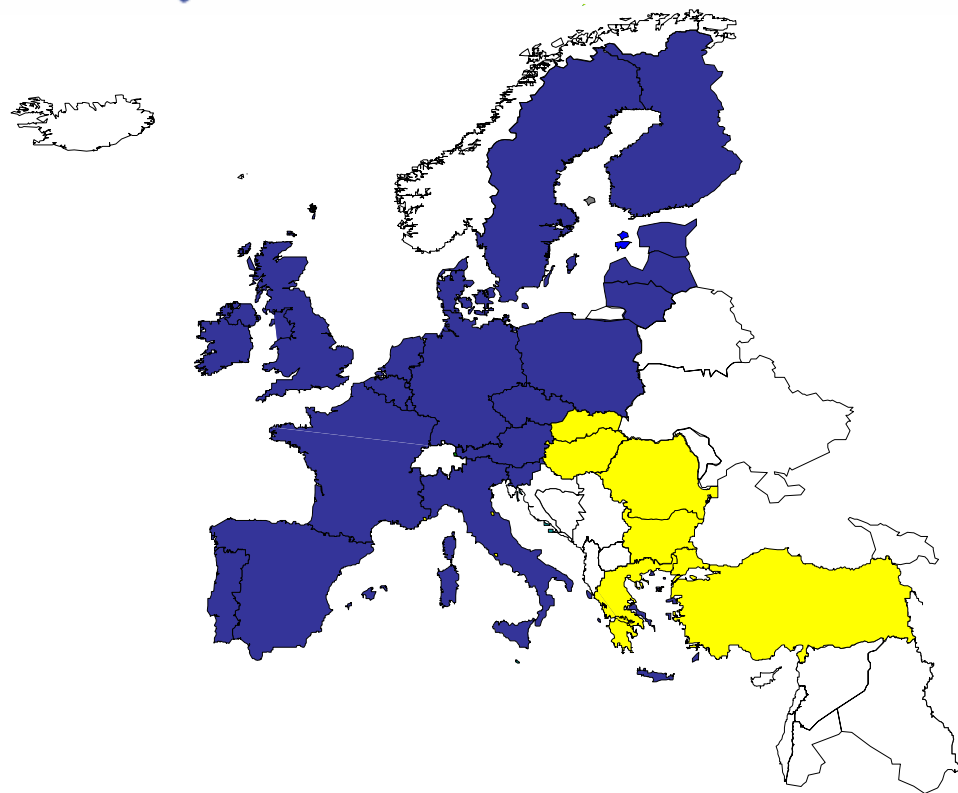
Popup window for
PDF document



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A NEW APPROACH ON DIFFERENT ASPECTS OF WELFARE, ENVIRONMENT AND FOOD INTERACTION IN CENTRAL AND SOUTHEASTERN EUROPE WITH THE USE OF ICT

Transfer of Innovation
LLP LdV-TOI-2007-TR-002
(2008-009)



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[Afyon Kocetepe University \(TR\)](#) – Ahmend Neder
Seder Campus



[University of National and World Economy \(BG\)](#) –
Sofia



[National Agricultural Research Foundation \(GR\)](#) –
Animal Research Institute



[Szent István University \(HU\)](#) – Faculty of Agricultural
and Environmental Sciences
Gödöllő



[University of West Hungary \(HU\)](#) – Faculty of
Agricultural and Food Sciences Mosonmagyaróvár



[Banat University of Agricultural Sciences and
Veterinary Medicine \(RO\)](#) – Timisoara



[University Of Veterinary Medicine \(SL\)](#) – Kosice



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RATIONALE

- Transfer of outcome of WELFOOD project to Central European and South Eastern countries
- Evaluation animal welfare conditions in the region with definition the present situation and requirements
- Clarification of consumers' demand as regards different religious, cultural, social and economic approach
- Supporting development of new technologies in animal production towards „human animal production systems”



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TARGET GROUPS

- **Students: BSc and/or MSc degree**
- **Teachers: various qualification of vocational training**
- **Sectoral workers: farmers, employees in transport, slaughterhouses and food processing**
- **Family members of farmers**



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PROJECT STRUCTURE (I)

WP1 Project management

WP2 Current analysis of local conditions

Comparison with WELFOOD project

Transfer and adaptation

**WP3 Initiatives to improve animal welfare and
food safety in cope of food production
chain and target group analysis**



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PROJECT STRUCTURE (II)

**WP4 Development of ICT assisted modules,
training materials and tools**

WP5 Testing and feedback

**WP6 Valorisation and publication in partner
countries, Europe and worldwide**



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WELANIMAL PROJECT WEBSITE

<http://www.welanimal.aku.edu.tr>



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**THANK YOU
FOR YOUR ATTENTION**



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