E-learning methodologies and good practices

SECOND EDITION

A guide for designing and delivering e-learning solutions from the FAO elearning Academy
Why this guide?
Share good practices (workflow and methodologies) to assist countries in creating their own courses

To whom?
• Trainers and capacity development managers
• Instructional designers
• All those interested in creating e-learning courses

Content
Consolidated learning theories as applied by FAO elearning Academy over more than 15 years

Second edition
Previous version published in 2011 (English), 2012 (French and Spanish)
Content

Part I
Introduction

Part II
Designing an e-learning programme

Part III
Creating interactive content

Part IV
Managing and facilitating learning activities
Part I
Introduction
Types of content

- Simple resource (video)
- E-learning course
- Job aid
- Online facilitated course
- Massive Open Online Course (MOOC)

Social interaction

- Webinar

E-learning methodologies and good practices
SECOND EDITION
Blended learning

- Case study: Safeguarding Land Tenure Rights in the context of Agricultural Investment

Mobile learning

- Example: A mobile responsive learning resource for private investors
Part II
Designing an e-learning programme
Identifying content: Task analysis

Case study: Identifying content of a series of e-learning courses on SDG indicators

Defining delivery, instructional and evaluation methods

Case study: Structuring an e-learning curriculum on nutrition
Certifying competences with digital badges

Online visual representations of skills and competences earned through learning.
Part III
Creating e-learning content
Instructional techniques to facilitate learning

- Examples
- Test
- Media (text, audio, video)
- Pedagogical agents
- Toolkit
- Demonstration-practice
- Storytelling
- Case-based scenarios
- Gamification
- Microlearning

Selecting authoring tools

For each technique: what it is, when to use it, examples, tips.
Scenario-based courses

E-learning methodologies and good practices  SECOND EDITION
Part IV
Managing and facilitating learners’ activities
Online facilitated courses

Preparation and components:
Pre-course activities - Self-study - Individual assignments - Collaborative work – Discussions – Assessments – Feedback and conclusion

Communication and collaboration tools
How they can be used for e-learning.

EXAMPLE
Pre-course activities in an online facilitated course on gender and land tenure

A few days before the course starts, a pre-course session provides access to introductory materials, support – including for connectivity issues – a forum for participants to get to know each other, and audio welcome messages.
Learning platforms

- Focus on open-source solutions
- Solutions for limited connectivity

Case study: FAO online training-of-trainers

Example: MOOC on Farm Data Management, Sharing and Services for Agriculture Development

July 2020

<table>
<thead>
<tr>
<th>MON</th>
<th>TUE</th>
<th>WED</th>
<th>THU</th>
<th>FRI</th>
<th>SAT</th>
<th>SUN</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
</tr>
<tr>
<td>20</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
</tr>
<tr>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Session 1
Access the platform to complete the activities

Session 2
LIVE at 10.30
Access the platform to complete the activities

Session 3
LIVE at 10.30
Access the platform to complete the activities

Session 5
LIVE at 10.30
Access the platform to complete the activities

Session 6
LIVE at 10.30
Access the platform to complete the activities

Session 7
LIVE at 10.30
Access the platform to complete the activities

Farm Data Management, Sharing and Services for Agriculture Development:

- Workshop on Farm Data Management Principles
- Workshop on Data Sharing Principles
- Workshop on Data Management and Services for Agriculture Development

Example:
MOOC on Farm Data Management, Sharing and Services for Agriculture Development

- Course includes lectures, discussions, and assignments
- Participants receive certificates upon completion
- Available online via the MOOC platform
Aknowledgements

Jasmina Tisovic authored Chapters 8 and 10 on Authoring tools and Learning platforms.

Chiara Nicodemi authored the Case studies: FAO blended learning programme and FAO online training-of-trainers.

Dalene Goosen authored Section 5.4: Certifying competences with digital badges.

Sara Ferrante, Ilkay Holt, Mariangela Pisani, Fabio Picinich and Giulia Ramadan provided examples and checklists on MOOCs and webinars.

Examples are based primarily on the work of the FAO elearning Academy Team.

Reviewers include Peter Bruggeling, Loredana De Giovanni, Sara Ferrante, Fabiola Franco, Andrew Nadeau, Luca Pepi, Cristina Petracchi, Maxime Robin and Luca Servo.

Editing by Clare Pedrick.

Graphic design and page layout by Claudia Illuzzi.