



**LNTACT**

INTERACTIVE TEACHING MATERIALS  
ACROSS CULTURE AND TECHNOLOGY



**A Solution for Interactive Teaching**

## Who are we?



Ludwigsburg University of Education  
Germany  
[www.ph-ludwigsburg.de](http://www.ph-ludwigsburg.de)



Complutense University of Madrid  
Spain  
[www.ucm.es](http://www.ucm.es)



Kecskemét College  
Hungary  
[www.kefoportal.kefo.hu](http://www.kefoportal.kefo.hu)



St. Patrick's College  
Ireland  
[www.spd.dcu.ie](http://www.spd.dcu.ie)



Polytechnic Institute of Bragança  
Portugal  
[www.ipb.pt](http://www.ipb.pt)

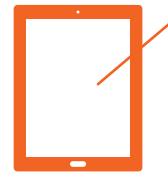


Babeş-Bolyai University  
Romania  
[www.ubbcluj.ro](http://www.ubbcluj.ro)

[www.intact-comenius.eu](http://www.intact-comenius.eu)

## What is INTACT?

INTACT is a multilateral Comenius project (2012-2015), funded under the Lifelong Learning Programme of the European Union. The consortium comprises partners from six European institutions, namely University of Education Ludwigsburg (Germany, Coordinator), Universidad Complutense Madrid (Spain), Kecskemét College (Hungary), St. Patrick's College, Dublin (Ireland), Polytechnic Institute of Bragança (Portugal) and Babes-Bolyai University Cluj (Romania).



### INTACT

An online platform for 21<sup>st</sup> century learning  
Support for an online collaborative learning community  
Interactive teaching and learning materials  
Tools for developing materials  
Cross cultural/bilingual learning



## What is INTACT?

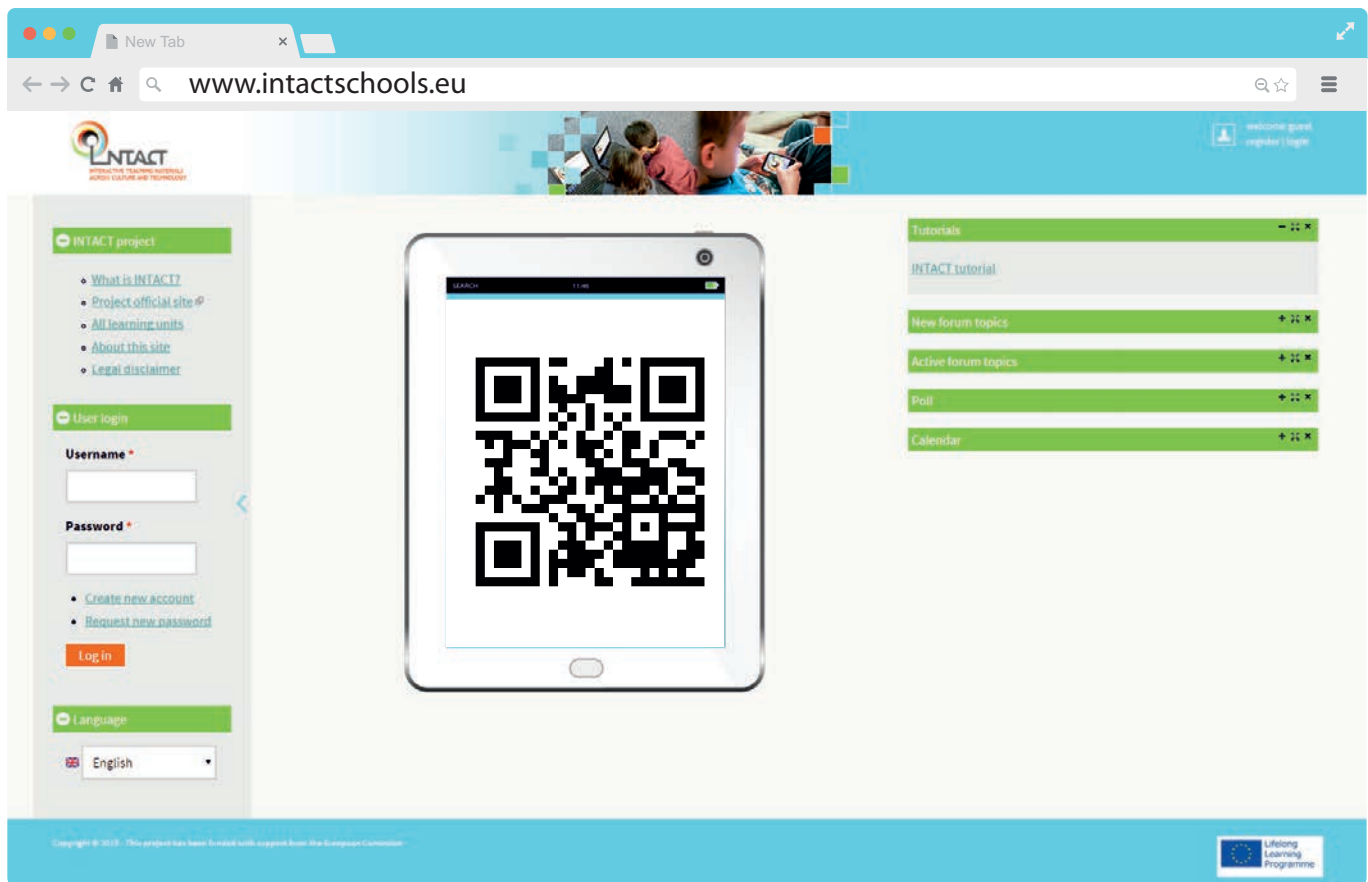
INTACT aims to support both **primary and secondary school teachers** towards more effective pedagogical use of **interactive technological devices** (e.g. interactive whiteboards, touchpads, tablets, smart phones and other mobile devices) in the classroom, through the creation of interactive teaching materials for science, mathematics, social science and language curricula for **bilingual educational settings**. In order to have an open architecture that will be available into future years, INTACT materials are implemented in HTML5 standard. The facilitation of web access therefore expands the adoption of the materials to a wider range of platforms and mobile devices and additionally meet the requirements of **different technical infrastructures and systems**.

A key element of the project is the provision of support for an online collaborative learning community commencing with both students and teachers from the participating partner organisations and open for others. The INTACT **online platform** has been developed to house this community and accommodate interactive teaching and learning resources. Participating teachers can use the platform to create their own online units of work, lessons and interactive resources or **use and adapt existing teaching and learning resources** created by others.



# What is the INTACT Platform?

The INTACT online platform offers convenient access to the creation of content which includes questions and static content with a 'what you see is what you get' editor. Additionally, it offers the possibility to embed and attach external content. Collaboration is achieved with multiple synchronous and asynchronous tools – e.g. chats, messages and real time video and audio conferencing. Further collaboration is reached by integrating video conferencing into lessons. For learning scenarios in closed settings, there is a subscription and authorisation system to manage access to the learning units. Figure 1 shows the main page before login.



The screenshot shows a web browser window with the URL [www.intactschools.eu](http://www.intactschools.eu). The page features a blue header with the INTACT logo (Interactive Teaching Materials Across Culture and Technology) and a navigation menu. The main content area is divided into three sections:

- INTACT project:** A list of links including "What is INTACT?", "Project official site", "All learning units", "About this site", and "Legal disclaimer".
- User login:** A form with fields for "Username" and "Password", a "Log in" button, and links for "Create new account" and "Request new password".
- Language:** A dropdown menu currently set to "English".

In the center of the page, a tablet displays a large QR code. To the right, a sidebar contains several green buttons for navigation: "Tutorials" (with a sub-link for "INTACT tutorial"), "New forum topics", "Active forum topics", "Poll", and "Calendar". The footer includes a copyright notice for 2012 and the European Union Lifelong Learning Programme logo.

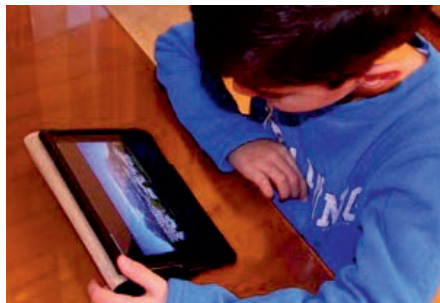
## How to use the INTACT platform

Just enter <http://www.intactschools.eu/>  
in order to experience the INTACT platform.



One of the main functionalities of the INTACT platform is to provide the possibility for teachers to create, describe, store, manage and search for teaching content. Thus the INTACT project consortium outlined their own definition of learning units, lessons and learning objects. Within the platform the units, lessons and learning objects are described using metadata. Due to different school systems across countries the metadata have to be adjusted to each school system.

Find training materials and video tutorials  
in multiple languages in the learning unit "INTACT TUTORIAL"  
(<http://www.intactschools.eu/course/534/intact-tutorial>).



## How to use the platform

Another main idea of the INTACT project is to facilitate teachers to get in touch with other teachers and to enhance them to collaborate with other teachers. Therefore teachers can ask for collaboration in Learning Units that are released for this feature. All Learning Units that are available for teacher-teacher collaboration can be found in the section “Learning Units for Collaboration”.



Moreover the INTACT platform has a complex search system that helps teachers to find teaching materials made by other teachers. The search is able to filter almost any information of the metadata.



The INTACT platform can be used by anyone free of charge because all the components (Drupal, Opigno, BigBlueButton) are open-source.

Just enter username and e-mail address and you are almost ready to start creating your own course. After registration ask for teacher role and you can start right away with your own learning unit.



### Advantages of the platform

- Create an account and start for free
- Create your teaching materials
- Embed external OER/content
- Use on multiple devices and OSs

# Need an example?



## Scenario:

Real-time quiz with another school in an English class

## Requirements:

an INTACT account, internet access, audio equipment, a teacher with a class in another country that would like to collaborate with your class, quiz questions prepared beforehand in a learning unit

## Procedure:

- Both teachers log in to the INTACT platform at the appointed time and go to the prearranged videoconference session in BigBlueButton with a multi-player quiz they prepared on learningapps.org and embedded in the INTACT platform.
- The classes introduce themselves.
- Both classes play the quiz and have the possibility to communicate with each other.

The screenshot displays a BigBlueButton (BBB) video conference window titled "BBB with LearningApps II". The interface is divided into several sections:

- Users:** A list on the left shows participants "kalkbrenner" and "may (you)".
- Presentation:** A central area showing a quiz slide with two questions: "It is raining in Germany today" and "The sun is shining in Hungary today".
- Chat:** A window on the right showing messages from "kalkbrenner" and "may".
- Quiz Interface:** A large yellow area on the right with three columns of buttons for "World Cup", "Champions league", and "German national football". Each column has buttons for 100, 200, and 300 points.
- Scoreboard:** At the top right, it shows "Kalkbrenner 300" and "May 100".
- Footer:** Includes "© 2015 BigBlueButton Inc.", "English", "Default Layout", and a status bar with "Spiel zwischen Kalkbrenner und May beginnt." and "Chat anzeigen".

Figure 2:  
Example with video  
conferencing system  
BigBlueButton



## Need an example?

- Students can discuss the questions using the videoconference tool BigBlueButton.
- Students of the other team can give some hints for solving the questions and get in touch playing the game together.
- The INTACT platform can easily be used in bilingual settings.
- Students can chat in an informal way and develop their language skill in a real life situation.



## Who can use the platform?



The target groups of the platform are **teachers, educational staff in higher education, teacher training, students in kindergarten, primary and secondary schools**. Students involved in teacher training can also gain from using the platform in their teaching practice.

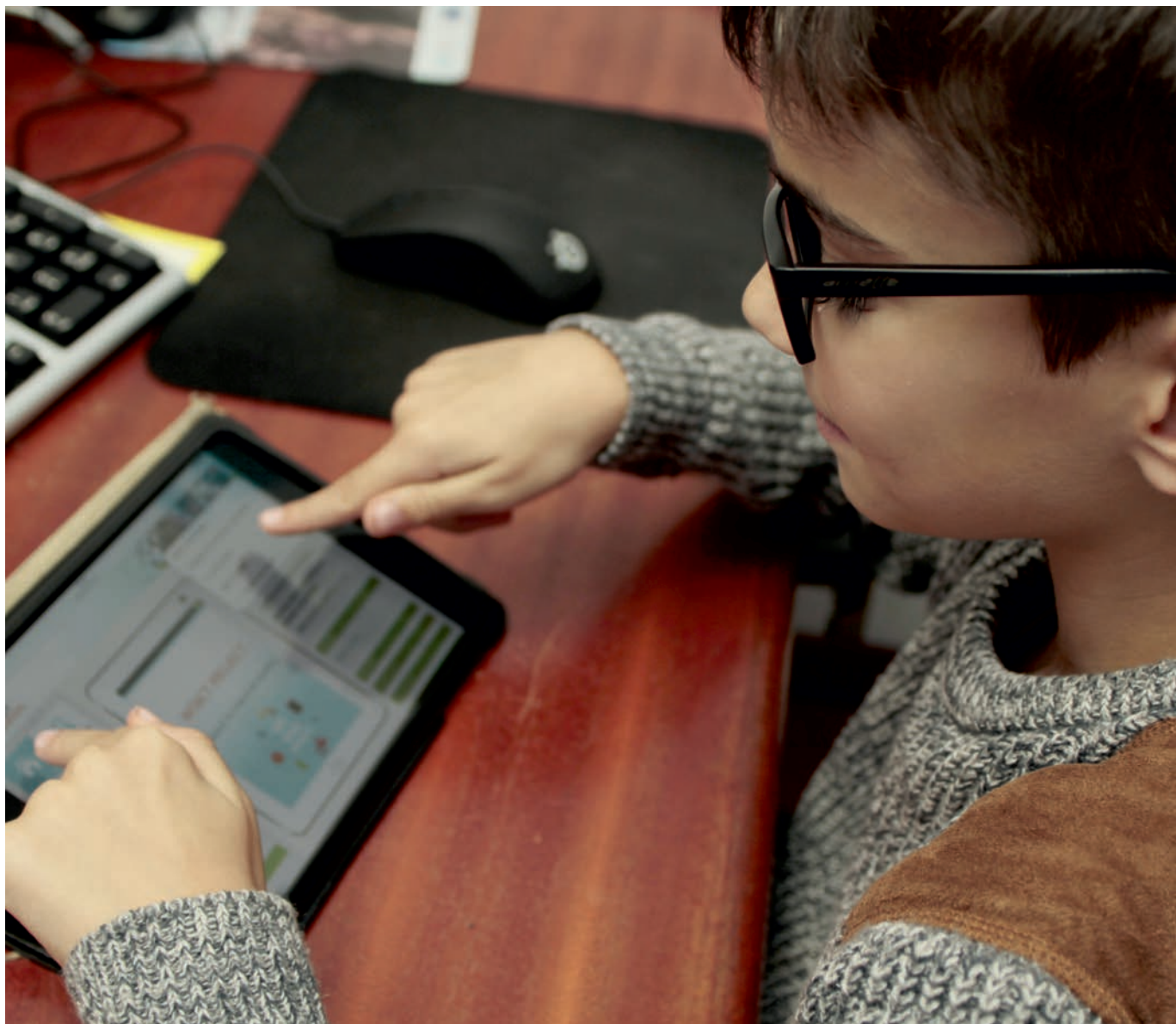
Use INTACT resources on **tablets or other mobile devices** to support student self-directed interactive learning

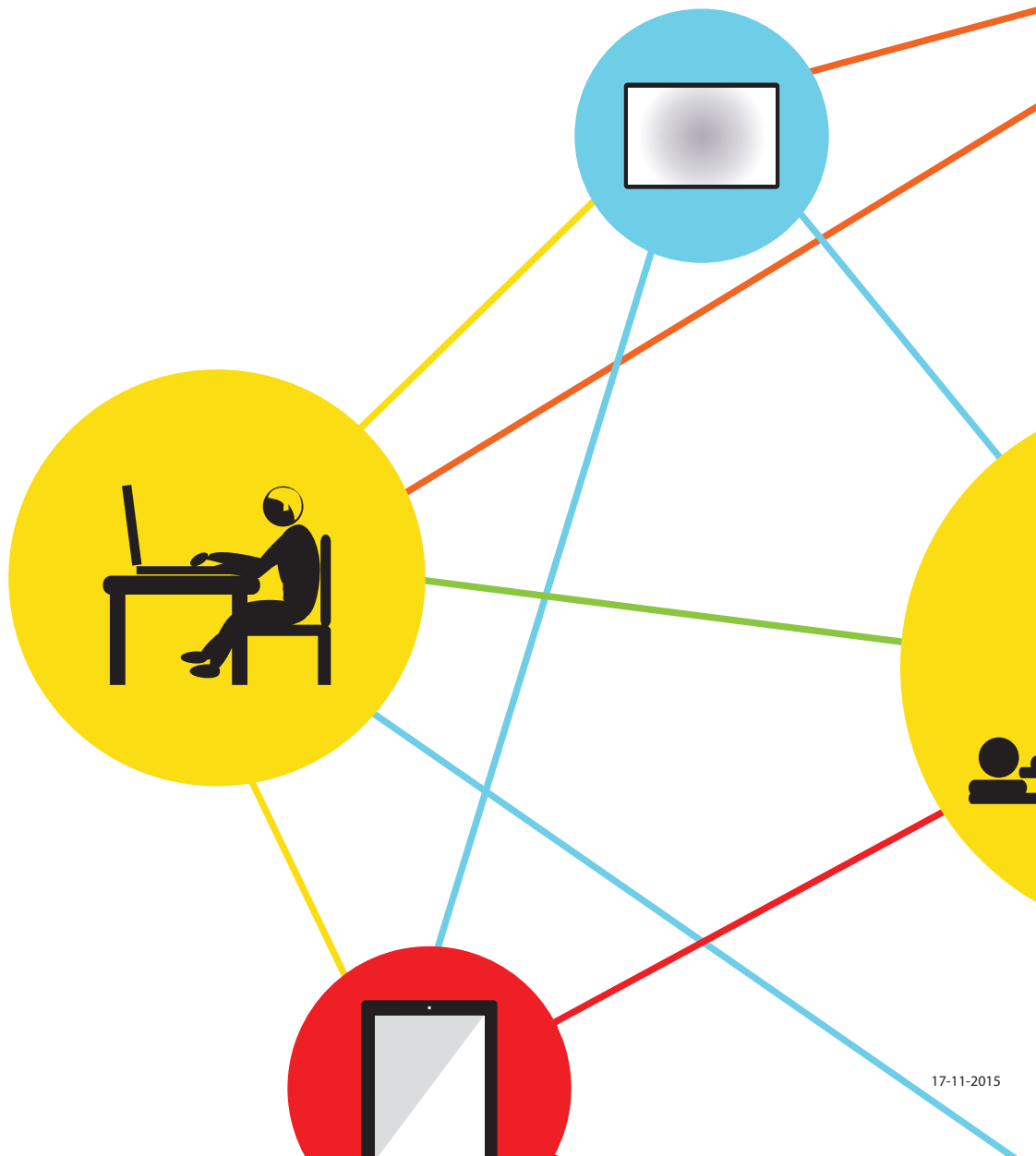
Display INTACT resources on an **interactive whiteboard** for teacher-led in-class communication and discussion

Use the **video conference** Big Blue Button on the INTACT platform for inter-school and cross-cultural collaboration to allow students co-create, display and discuss their work with others

Activate foreign language skills with INTACT bilingual resources while students simultaneously learn new content

# Just use it!





This project has been funded with support from the European Commission. This publication [communication] reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.