Contextualizing Learning Environments: Using QR Codes

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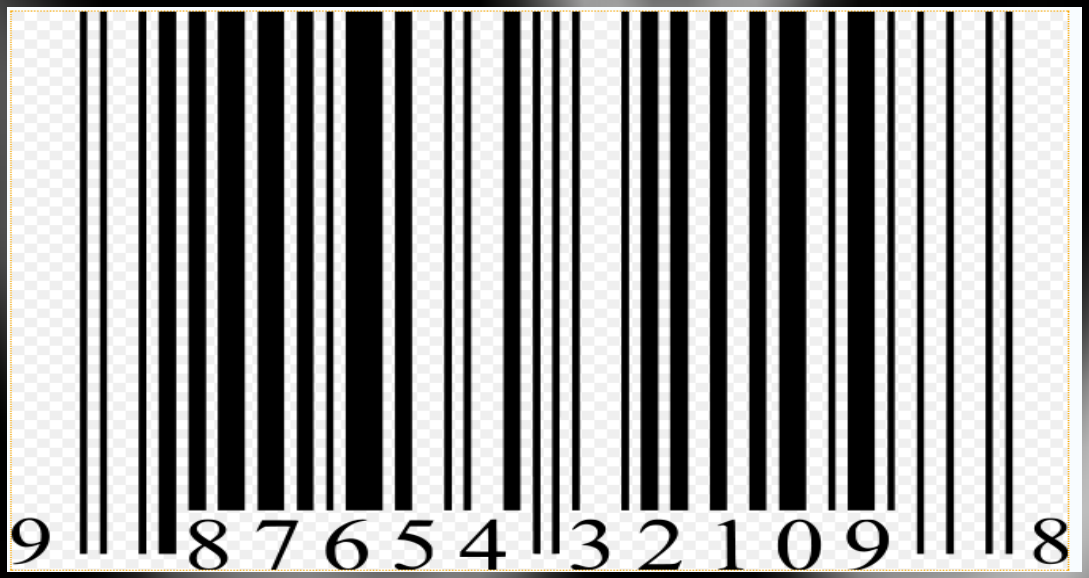
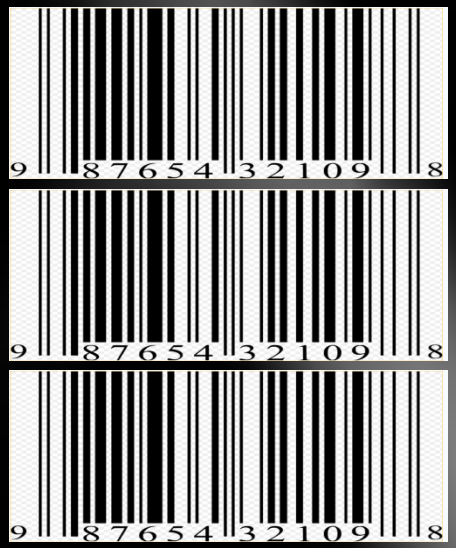
Emerging Technologies Centre

One Dimensional



Data presented in only the horizontal direction (1D)

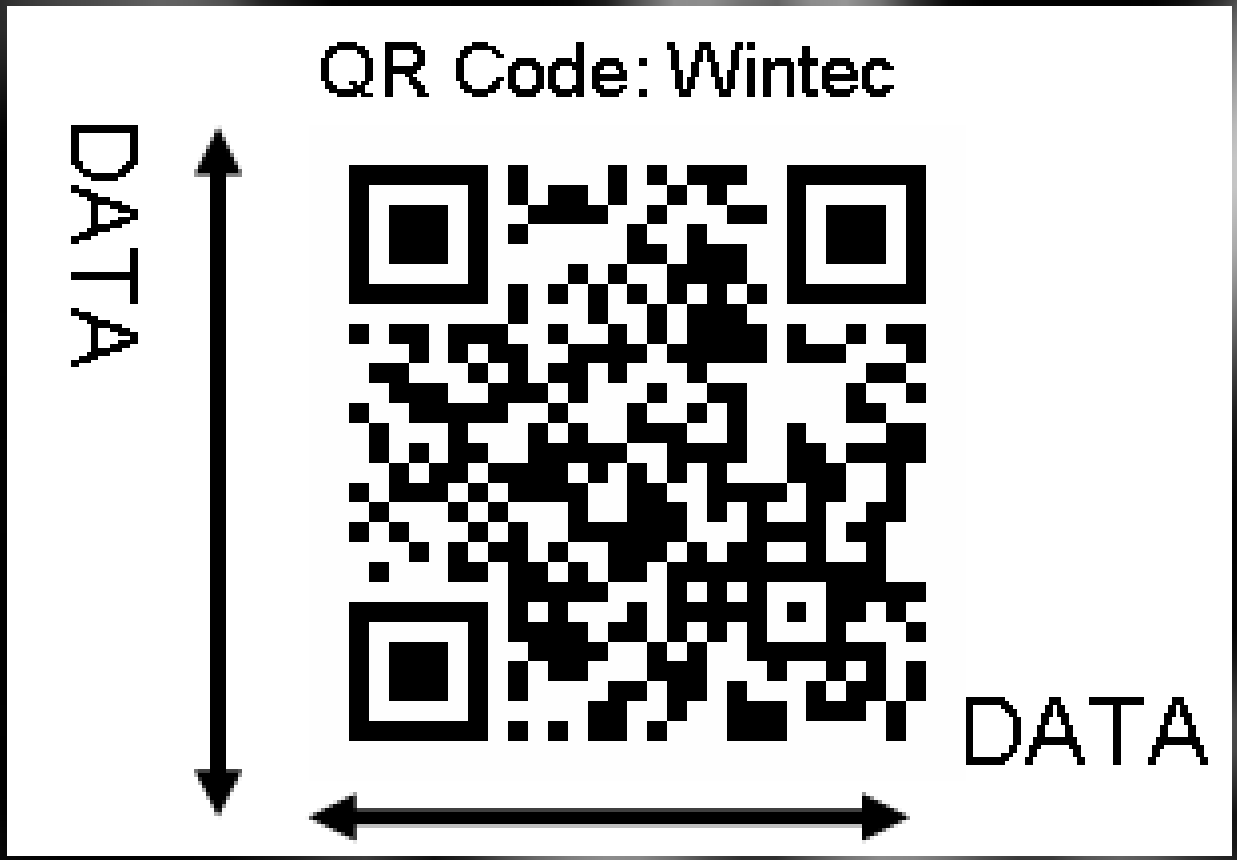
Stacked

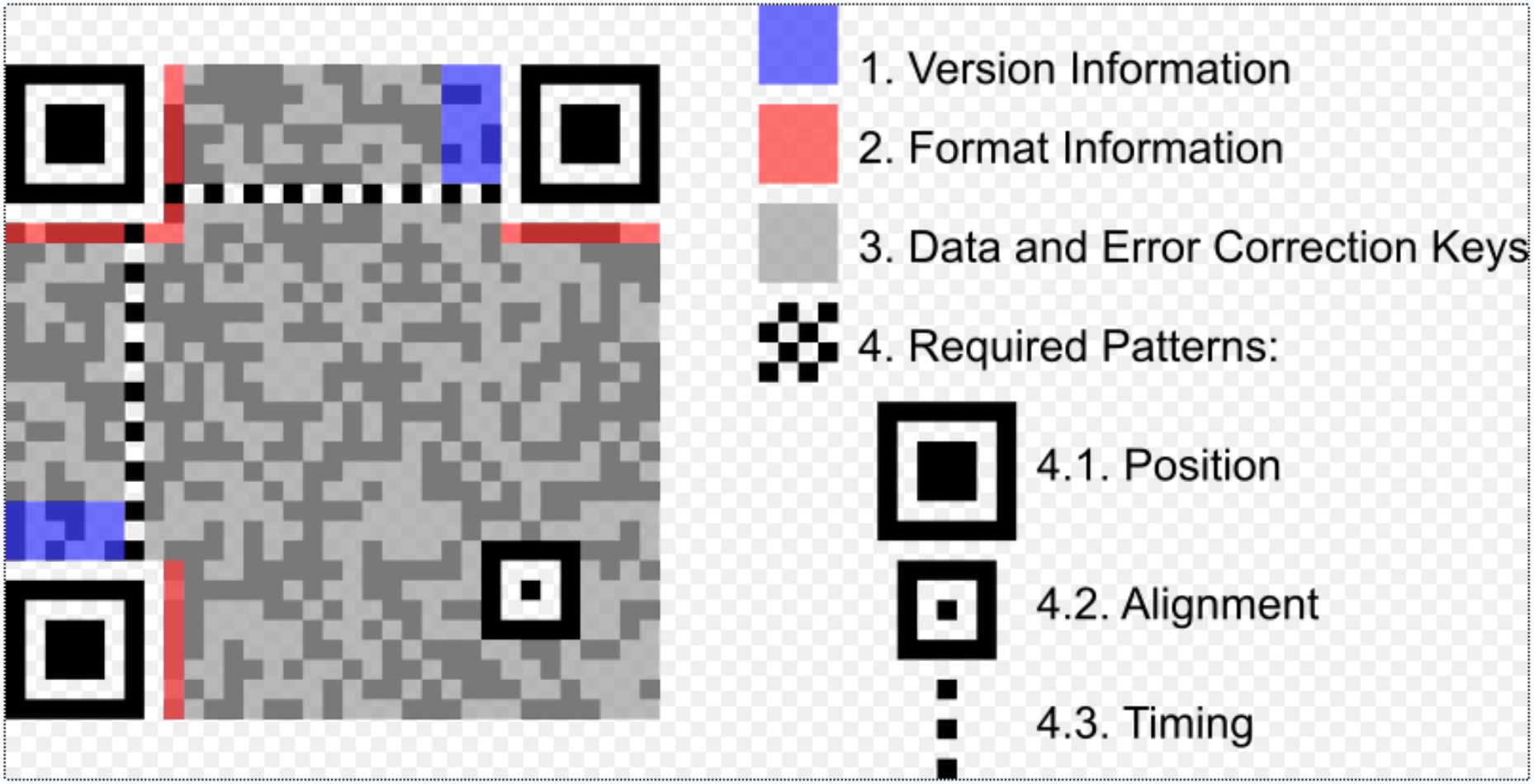


Data still presented in the horizontal direction (1D)

Two Dimensional

- QR code is presented in both the vertical and horizontal dimension (direction) (2D)





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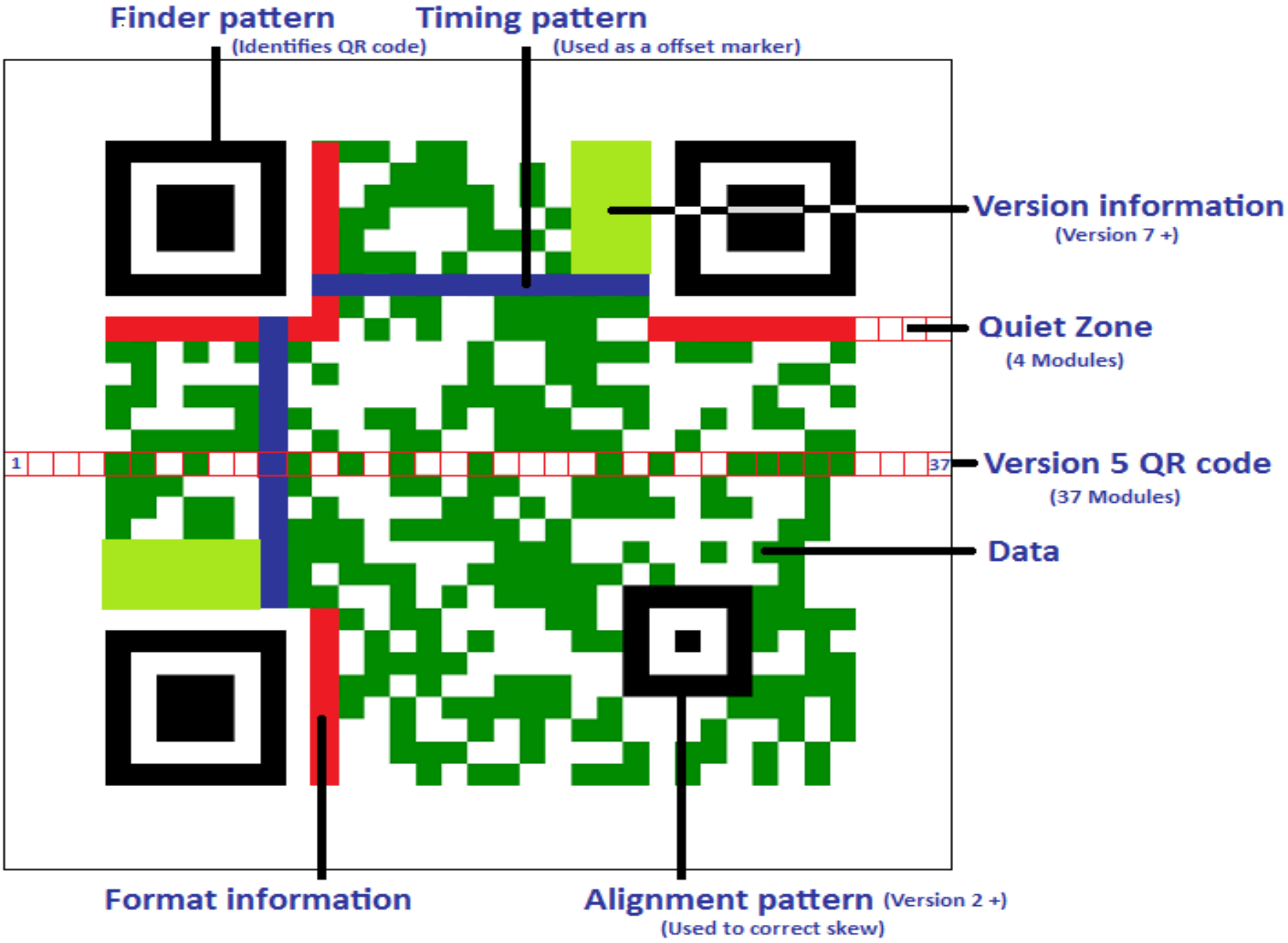
WIKIPEDIA
The Free Encyclopedia

http://en.wikipedia.org/wiki/File:QR_Code_Structure_Example.svg

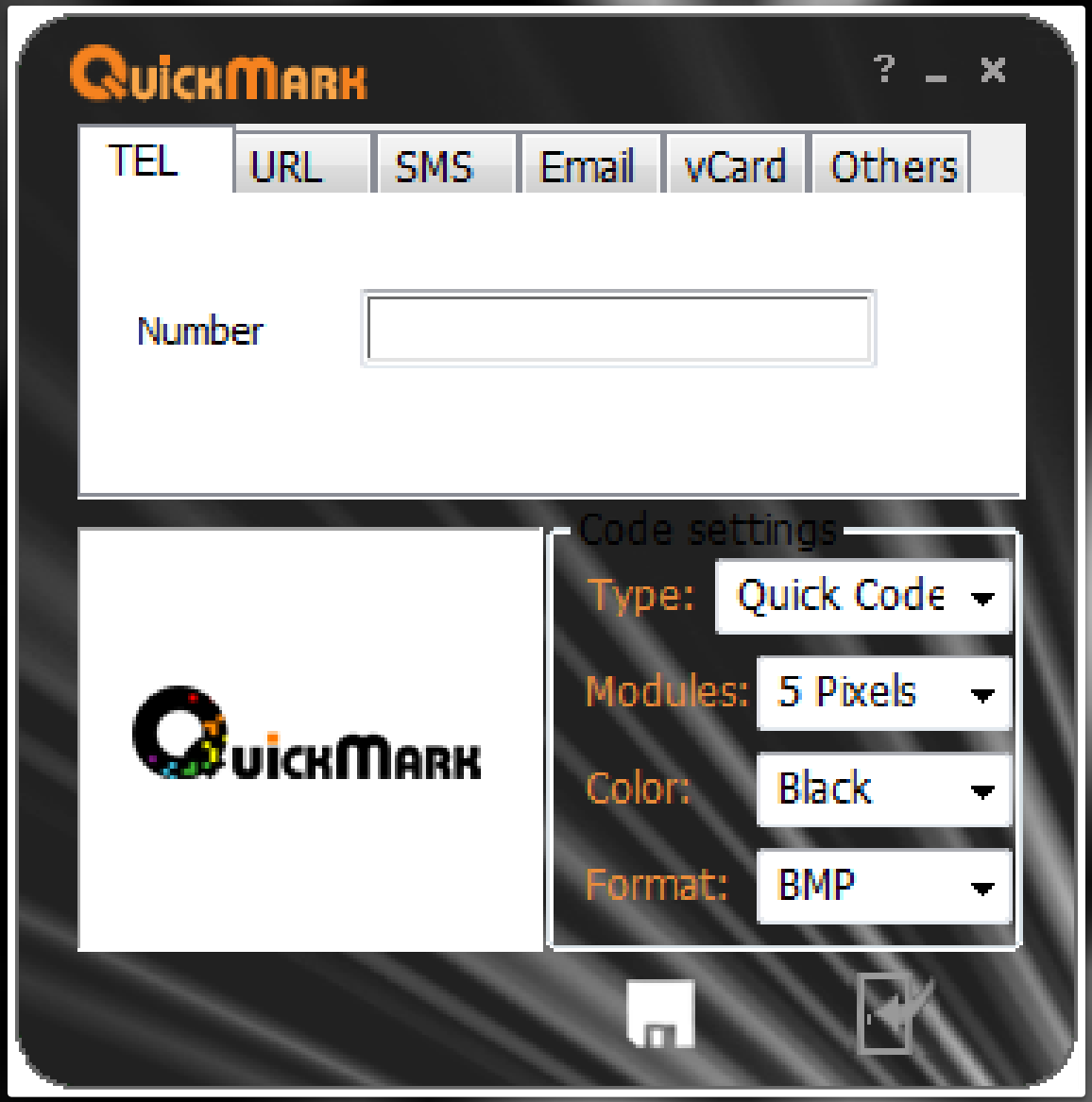


http://www.qrme.co.uk/qr-code-resources/understanding-a-qr-code.html

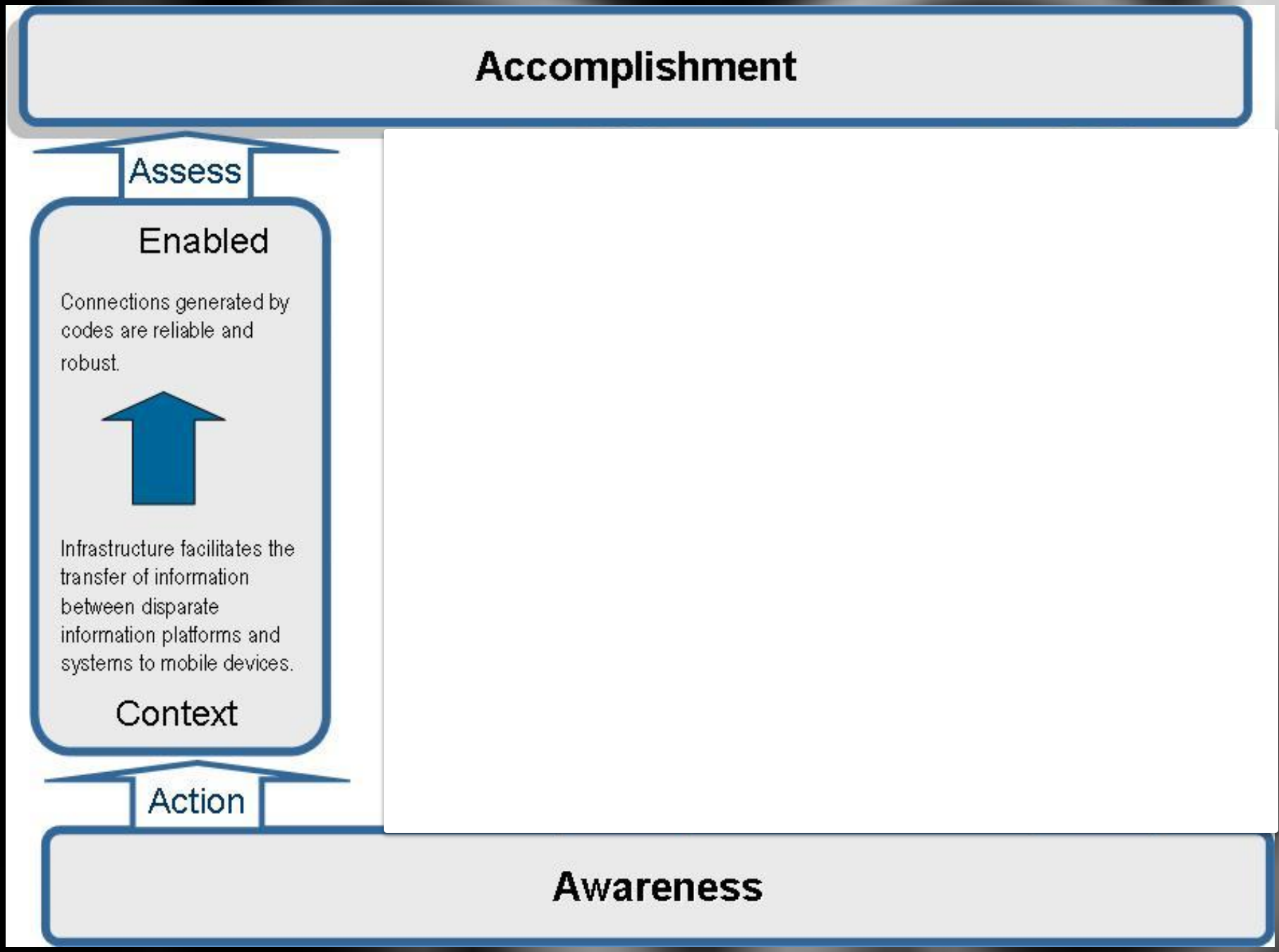
QR Code data capacity

- Numeric only Max. 7,089 characters
- Alphanumeric Max. 4,296 characters
- Binary (8 bits) Max. 2,953 bytes
- Kanji/Kana Max. 1,817 characters

Creating a QR Code



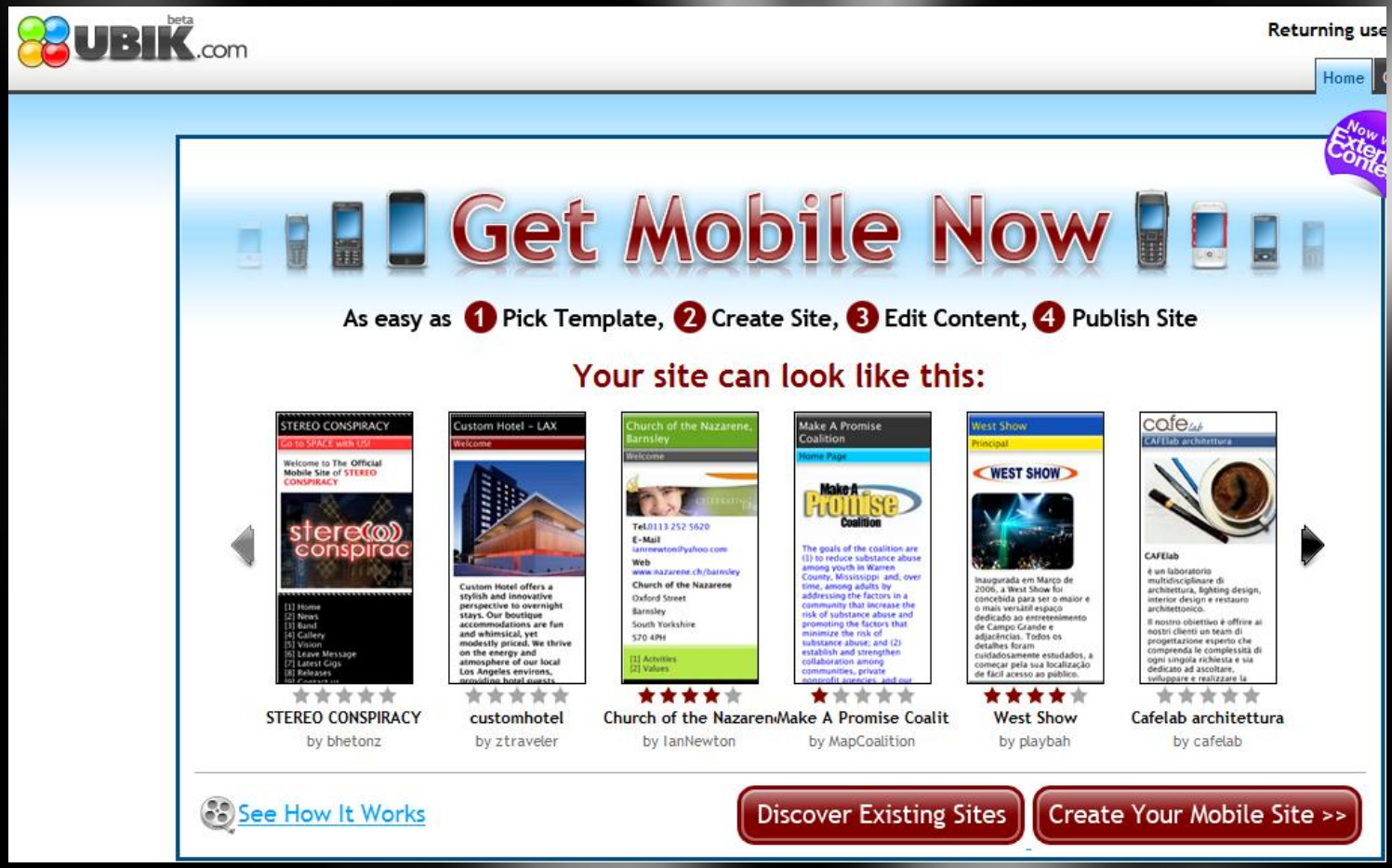
Awareness
Action
Accomplishment


Accomplishment
Assess
Enabled
Connections generated by codes are reliable and robust.
Infrastructure facilitates the transfer of information between disparate information platforms and systems to mobile devices.
Context
Action
Awareness

Mobile Application 1

http://winksite.com/site/index.cfm

Mobile Application 2



http://www.ubik.com/

Mobile Learning Engine

MyMLE - End Users
For private persons

MyMLE is for everyone, who wants to use mobile learning for himself. It allows you to create your **own mobile learning content** and to pack it to a mobile phone application, which you can use on your phone.

ENTER

MyMLE is a stand-alone PC application (for Windows and Linux) which is easy to use. The mobile phone application it creates runs on nearly every mobile phone.

MLE-Moodle - End Users
For institutions/companies

An **out-of-the-box mobile Learning** system. Which contains everything you need to build a mLearning system. Easy to install and easy to use.

To use MLE-Moodle you need a web-server!

ENTER

MLE-Moodle is a plugin for **Moodle**, which adds mLearning functionallity to this open-source eLearning system. The mobile learning area can be accessed with the mobile **phone browser** or with a special mobile **phone application**, which is designed for mobile Learning.

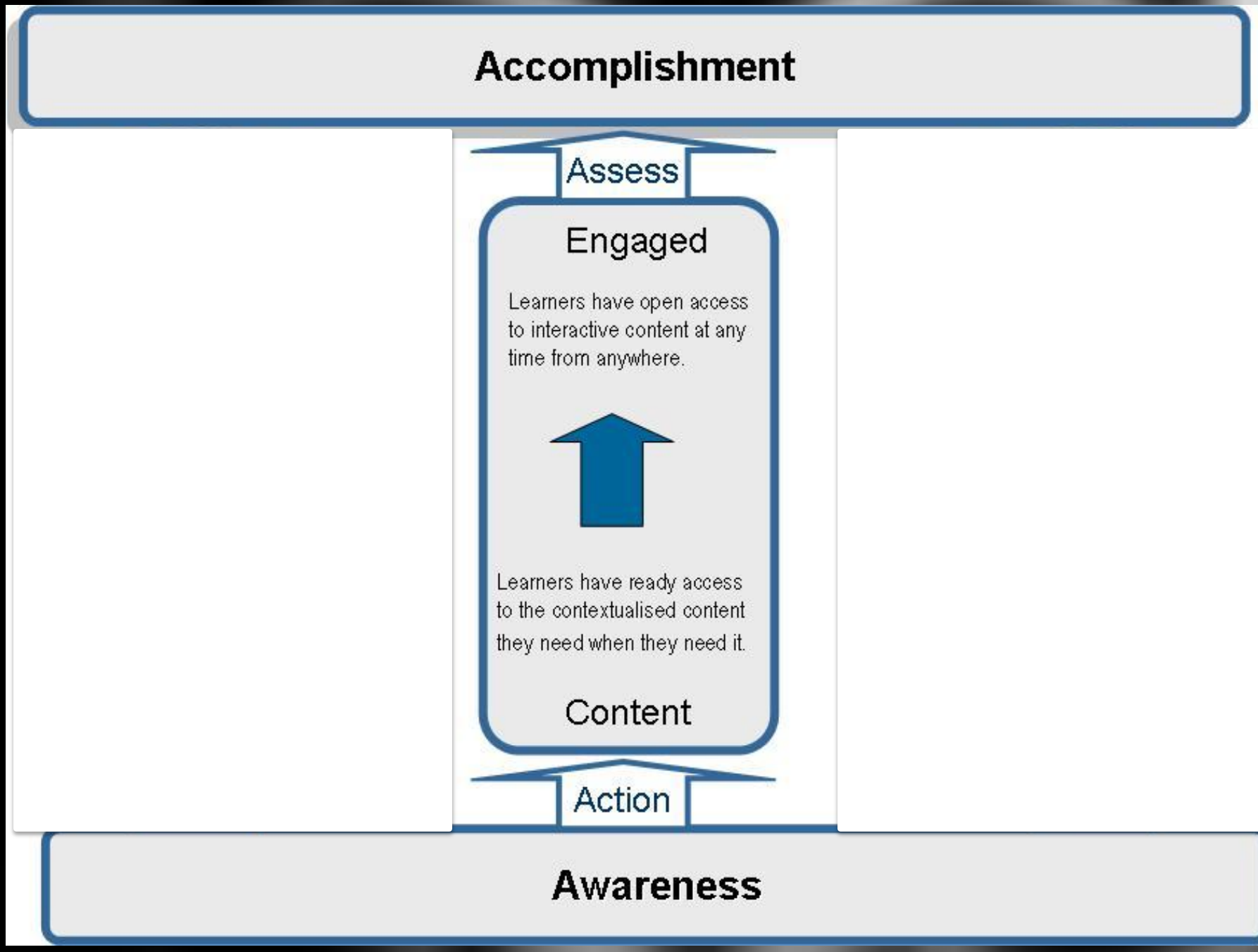
MLE mobile application framework - Developers

The mobile phone learning-application offers a very powerful **mobile application framework** for your own mobile projects. Extending the MLE is very easy due to a plugin-system.

For **developers only**!

ENTER

http://mle.sourceforge.net/


Accomplishment
Assess
Engaged
Learners have open access to interactive content at any time from anywhere.
Learners have ready access to the contextualised content they need when they need it.
Content
Action
Awareness

Definitions

- **Scape:** Denotes a pictorial representation of a scene or view, as specified by an initial element: *seascape, landscape, mediascape.*

- **Phenomenology:** The study of "*phenomena*": appearances of things, or things as they appear in our experience, or the ways we experience things

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trumen livery

My Maps

Create personalised, annotated, customized maps using Google Maps.

Your maps can contain the following:

- Placemarks
- Lines
- Shapes

Once you have created a map, you can:

- Add descriptive text, including rich text and HTML
- Embed photos and videos in your map
- Share your maps with others

To create or edit maps, you must be signed in to your Google Account. If you do not have an account, create one now.

Creating a Map

Creating a map is easy. Here are the basic steps:

1. Click **My Maps**
2. Click **Create new map**.
3. Add a title and description for your map.
4. Decide whether the map should be **public** or **unlisted**. Public maps are automatically included in Google Maps search.
5. Use the icons in the top left corner of the map. These include:

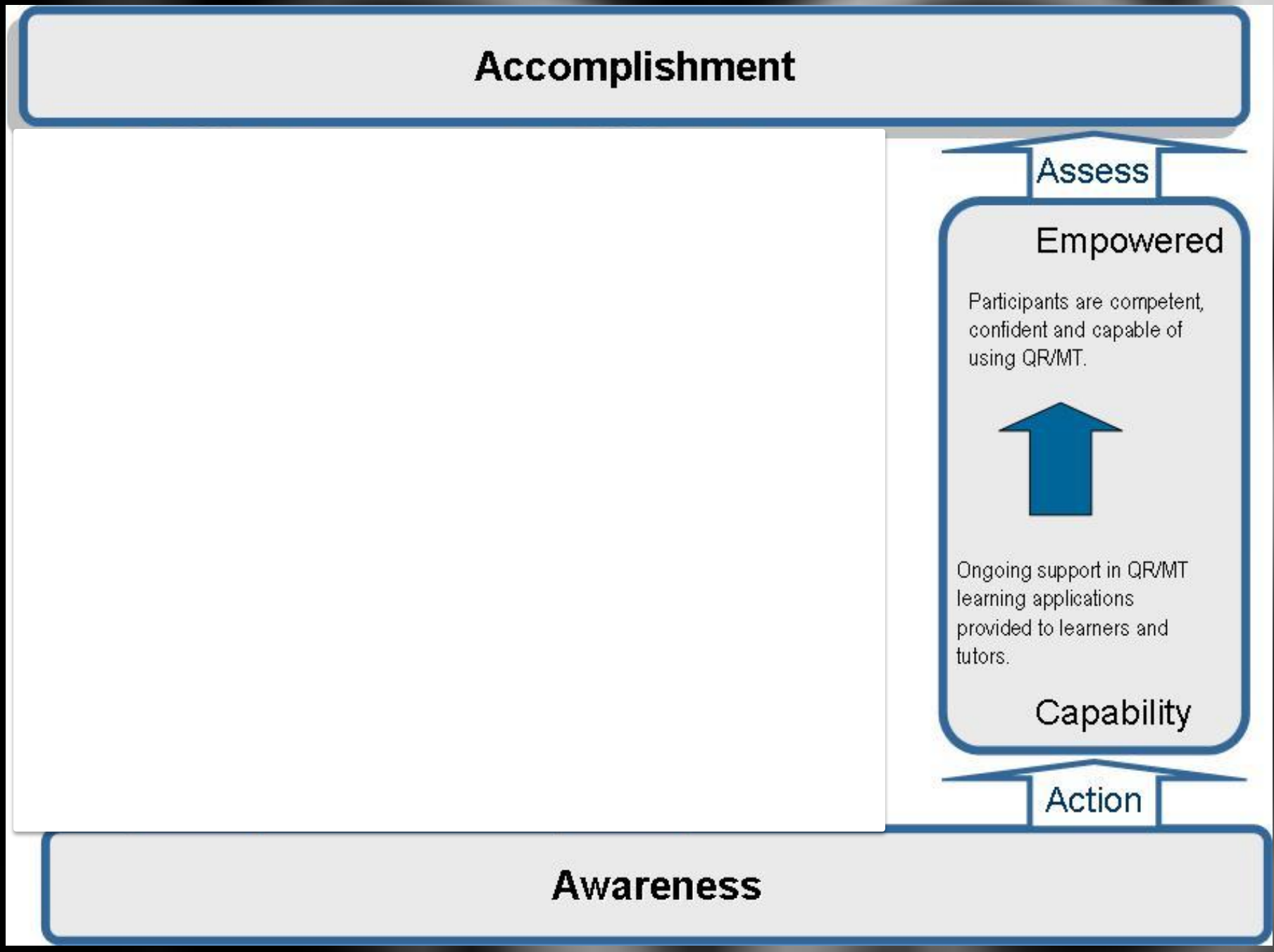
Selection tool. Use this to drag the map and select placemarks, lines and shapes.

Placemark tool. Use this to add placemarks.

Line tool. Use this to draw lines.

Shape tool. Use this to draw shapes.

You can return to your map at any time. Just go to Google Maps and click **My Maps**. Sign in to your Google Account and select the map from your list of maps.


Accomplishment
Assess
Empowered
Participants are competent, confident and capable of using QR/MT.
Ongoing support in QR/MT learning applications provided to learners and tutors.
Capability
Action
Awareness

Download i-nigma Reader

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The most widely used mobile barcode reader in the world!

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1. **On the mobile web** - Go to www.i-nigma.mobi on your mobile. I-nigma will automatically identify your handset type, download and install i-nigma.
2. **By SMS** - Text the word i-nigma to:+44 7797 882325 (or 07797 882325 in the UK). You will receive back an SMS containing a link to the i-nigma software download site.

Click here to see if your device is supported

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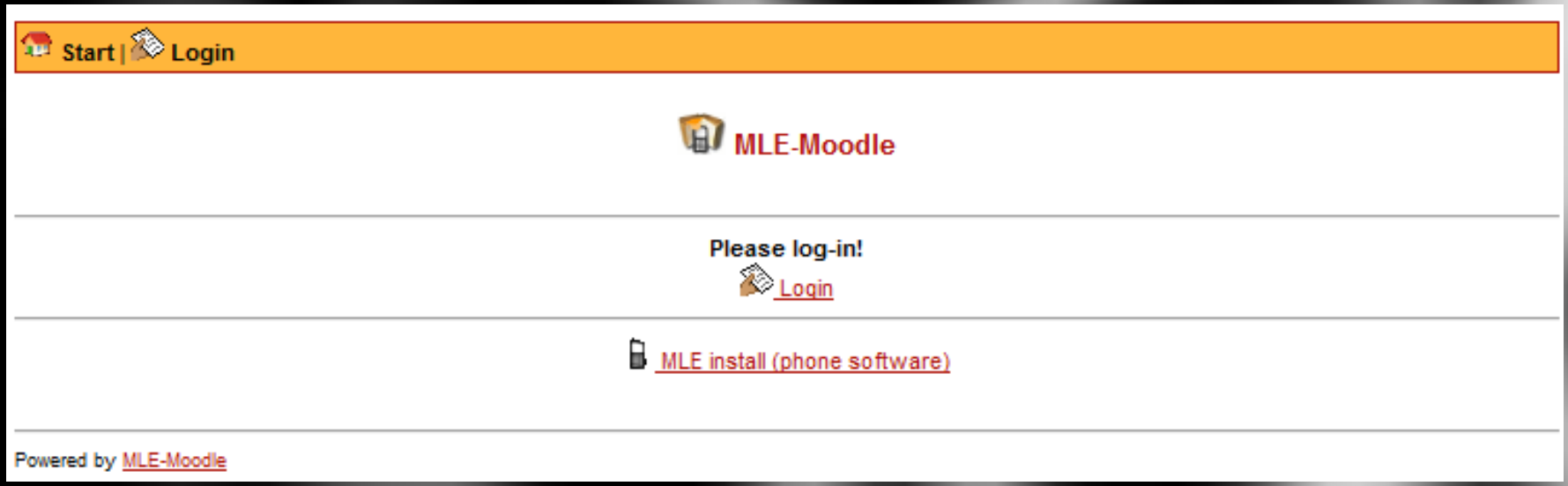
Start | Login
MLE-Moodle
Please log-in!
Login
MLE install (phone software)
Powered by MLE-Moodle

BeeTagg Multicode
Manager

Deutsch English

Supported phones BeeTagg Multicode Reader

The Manager for your campaigns and applications

Use the **BeeTagg Multicode Manager** for your campaigns and applications.

- Organize your codes and keep track of them.
- Create, link and generate BeeTaggs, QR-Codes and Datamatrix Codes.
- No limit of codes
- Dynamic urls for sophisticated applications.
- Generate codes as **PNG, GIF, JPG, EPS or PDF**.
- **Realtime Statistics**.
- Great for teams.
- Easy to use.
- No costs!

Start manager