

DIGITAL ROADMAP

for libraries

PUBLISHING PERSPECTIVES



SIDE

A

● FREQUENT USE ● ESPECIALLY INTERESTING ● IT COULD WORK

| | | | INFORMATION SERVICES (IS) | | | | READING SERVICES | | | | LOAN SERVICES | | TRAINING SERVICES | | |
|-------------------------------------|---|--|---|--------------------|--------------------|--------------|------------------|----------------|--|-------------------|-------------------|--|-------------------|-----------------------|----------------------|
| | | | GENERAL IS: LOCATION, ACCESS, SCHEDULE, CATALOGUE AND NOVELTIES | BIBLIOGRAPHICAL IS | REFERENCE SERVICES | COMMUNITY IS | READING ROOMS | SOCIAL READING | READING PROMOTION ACTIONS AND LIBRARY EXTENSION SERVICES | READERS' ADVISORY | READERS' ADVISORY | LOAN MANAGEMENT: RESERVATIONS, RENEWALS... | VISITS | LIBRARY USER TRAINING | INFORMATION LITERACY |
| WEB-BASED TECHNOLOGIES | Technologies that allow users to interact and collaborate in order to create content; it may be used to enrich and personalise the users' library website visit. | WEB APPLICATIONS | ● | | ● | | | | ● | ● | ● | ● | | ● | |
| | | VIRTUAL COMMUNITIES | ● | | | ● | | ● | | ● | ● | | | | ● |
| | | SOCIAL MEDIA | ● | | | | | ● | ● | ● | ● | | ● | | |
| | | PHOTO-SHARING, VIDEO-SHARING AND SOCIAL NETWORKING SERVICES | | | ● | ● | | | ● | ● | ● | | | | |
| | | COLLABORATIVE TOOLS: BLOGS, WIKIS | | | ● | ● | | | ● | | | | | | ● |
| | | MASHUPS | ● | | ● | ● | | | | ● | ● | | | | |
| | | SEMANTIC WEB | | ● | ● | | | ● | | ● | ● | | | | |
| WEARABLE TECHNOLOGY | Clothing and accessories incorporating computer and advanced electronic technologies (physical activity sensors, augmented and virtual reality devices); it may be used to enrich and personalise the users' library facilities visit. | PHYSICAL ACTIVITY SENSORS: WATCHES, SCARVES | ● | | | | | | | ● | ● | | ● | ● | |
| | | AUGMENTED AND VIRTUAL REALITY DEVICES: GLASSES, CONTACT LENS, HEADBANDS, HELMETS | ● | | | | | | | ● | ● | | ● | ● | |
| LOCATION-BASED TECHNOLOGIES | Technologies that allow locating people and things accurately by using latitude, longitude and altitude triangulation; it may be used to facilitate and enrich movement through a physical space. | | ● | | | ● | | ● | | ● | ● | | ● | ● | |
| NEAR FIELD COMMUNICATION TECHNOLOGY | Set of standards for mobile devices to establish radio communication among each other by operating them simultaneously or bringing them into proximity that may facilitate, among other things, the location and identification of catalogue funds. | | | | | | | | | ● | ● | ● | ● | ● | |
| BEACONS | Devices designed to attract attention to a specific location and may be used to enrich and personalise the users' library facilities visit. | | | | | | | | | ● | ● | ● | ● | ● | |
| AUGMENTED REALITY: QR CODES... | Technology that allows a digitally enhanced view of the real world; it may be used to "augment" library access, catalogue, users' training, reading promotion actions and library extension services as well as visibility. | | ● | | | | | | ● | ● | ● | | ● | | |
| FACIAL RECOGNITION SYSTEM | Computer application for automatically identifying a person: their name, their place of work, their last visit to the library, items they borrowed, etc. | | ● | | | | | ● | | ● | ● | ● | | | |
| SENSORY TECHNOLOGY | Technology that allows knowing the amount of visits to the library, their frequency during specific days and hours... such as "Instant Counting"; the carpet that detects users' movement. | CARPET THAT DETECTS USERS' MOVEMENT | ● | | | | | | | ● | ● | | ● | ● | |



Translated and adapted by:

ELISA YUSTE
CONSULTORIA EN CULTURA Y LECTURA



DIGITAL ROADMAP

for libraries

PUBLISHING PERSPECTIVES



SIDE B

● FREQUENT USE ● ESPECIALLY INTERESTING ● IT COULD WORK

| INFORMATION SERVICES (IS) | | | | READING SERVICES | | | | LOAN SERVICES | | TRAINING SERVICES | | |
|--|--|---------------------------|--------------|------------------|----------------|--|-------------------|-------------------|--|-------------------|-----------------------|----------------------|
| GENERAL IS: LOCATION, ACCESS, SCHEDULE, CATALOGUE AND NOVELTIES | BIBLIOGRAPHICAL IS | REFERENCE SERVICES | COMMUNITY IS | READING ROOMS | SOCIAL READING | READING PROMOTION ACTIONS AND LIBRARY EXTENSION SERVICES | READERS' ADVISORY | READERS' ADVISORY | LOAN MANAGEMENT: RESERVATIONS, RENEWALS... | VISITS | LIBRARY USER TRAINING | INFORMATION LITERACY |
| TOUCH TECHNOLOGY Electronic visual displays (mobile devices, screens, windows...) that the user can control through simple or multi-touch gestures by touching the screen with a special stylus/pen or their fingers; and that give access to library information, services, catalogue... even out of opening hours. | WINDOWS | | | | | | | | | | | |
| | MOBILE DEVICES | | | | | | | | | | | |
| | SCREENS | | | | | | | | | | | |
| | LIBRARY VENDING MACHINES <small>Developed by EnvisionWare, it allows users to manage loans (applications, reservations, returns, even paying fines with a credit card). It has a touchscreen to check available materials (up to 400 for loans and +1,000 for returns), and it is also a WIFI access point.</small> | | | | | | | | | | | |
| | PRINT-ON-DEMAND MACHINES <small>Espresso Book Machine (MBE): Developed by On Demand Books, it prints and binds in a few minutes a book (among millions in the public domain) thanks to ExpressNet system that connects the Machine with the Cloud. In a library it may help to solve storage problems, to promote self-publishing...</small> | | | | | | | | | | | |
| DRONES | Unmanned combat air vehicle that may, for example, deliver loans to users and collect returns. | | | | | | | | | | | |
| STREAMING TECHNOLOGY | Technology that fragments the Web intelligently, and allows the user to access the content without a full unloading thanks to Cloud storage and HTML5. It offers most important information and contents first, so it's especially interesting for information and library user training services. | | | | | | | | | | | |
| EMOTIONAL TECHNOLOGY | Technology that detects moods, satisfaction or joy levels and different types of consumption based on them, combining data from the mobile devices use (EmotionSense). It can be a very strong tool to make all kind of recommendations to the user, and it could lead to the development of smart novelties tables that reorganise its content depending on this information. | SENSORS THAT DETECT MOODS | | | | | | | | | | |
| | | SMART NOVELTIES TABLETS | | | | | | | | | | |
| MONITORING TECHNOLOGY | Even though all technologies register uses and can offer interesting information, monitoring technology is fundamental to know the public who attends any cultural event, such as the carpet that detects users' movement. | | | | | | | | | | | |
| ANTICIPATION TECHNOLOGY | This kind of technology seeks giving a more accurate and personalised service to the user. The idea is that applications get to know all users' data such as navigation, communication, likes, preferences, comments, moods; that enables to create a cartography of their personalities and emotions which allows to anticipate the users' reading needs depending on the moment, situation or place. | | | | | | | | | | | |



NFC



Translated and adapted by:

ELISA YUSTE
CONSULTORIA EN CULTURA Y LECTURA

