HARDWARE & SOFTWARE REQUIREMENTS FOR THE MONEVA SYSTEM APPLICATION TO MONITOR PIM/IMT PROCESS

Below is a brief description of the hardware and software requirements for the utilization of the M&E system to monitor and evaluate the PIM/IMT process at the local level (By the WUAs), regional offices responsible for a group of WUAs (CRDAs in Tunisia) and at the National level (relevant department at the headquarters of the irrigation agency)

LOCAL LEVEL (WUA)	REGIONAL LEVEL	NATIONAL LEVEL
1. Requirements for a Personal Computer running under Windows Operating System:	**The system requirements to use the selected database management software, are as follows:**	**The system requirements to use the selected database management software, are as follows:**
• 1,3 GHz or faster processor • Microsoft® Windows® XP with Service Pack 3 for 32 bit or Service Pack 2 form 64 bit, Windows Server® 2003 R2 (32 bit and 64 bit), Windows Server 2008 or 2008 R2 (32 bit and 64 bit), Windows Vista with the latest Service Pack (32 bit and 64 bit), Windows 7 (32 bit and 64 bit), Windows 8 or 8.1 (32 bit and 64 bit) • 256 MB of RAM (512 MB recommended) • 320 MB of available hard-disk space • 1.024x768 screen resolution • Internet Explorer 7, 8, 9, 10 or 11, Firefox Extended Support Release, Chrome • Adobe Acrobat Reader XI	• 1 gigahertz (Ghz) or faster x86- or x64-bit processor with SSE2 instruction set • Required operating system: Windows 8, Windows 7, Windows Server 2008 R2 or Windows Server 2012 • Required memory: 1 GB of RAM (32 bit); 2 GB of RAM (64 bit) • 3 GB of available hard-disk space • Graphics hardware acceleration requires a DirectX 10 graphics card and 1024 x 576 resolution • Required .NET version: 3.5, 4.0 o 4.5 • Microsoft Access 2013 Windows	• 1 gigahertz (Ghz) or faster x86- or x64-bit processor with SSE2 instruction set • Required operating system: Windows 8, Windows 7, Windows Server 2008 R2 or Windows Server 2012 • Required memory: 1 GB of RAM (32 bit); 2 GB of RAM (64 bit) • 3 GB of available hard-disk space • Graphics hardware acceleration requires a DirectX 10 graphics card and 1024 x 576 resolution • Required .NET version: 3.5, 4.0 o 4.5 • Microsoft Access 2013 Windows
2. Requirements for a Personal Computer running under Mac Operating System: • Intel® processor • Mac OS X v. 10.6.4, 10.7.2 or 10.8 • 1 GB of RAM	Microsoft Access 2013 runs only on Personal Computer under Windows 8, Windows 7, Windows Server 2008 R2 or Windows Server 2012 Operating System, and it's not compatible with Mac Operating System	Microsoft Access 2013 runs only on Personal Computer under Windows 8, Windows 7, Windows Server 2008 R2 or Windows Server 2012 Operating System, and it's not compatible with Mac Operating System

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• 350 MB of available hard-disk space • 1.024x768 screen resolution • Safari 5.1 for Mac OS X v. 10.6.8 or 10.7.2; Safari 5.2 for Mac OS X v. 10.8; Safari 6.0 for Mac OS X v. 10.7.4 or 10.8 • Adobe Acrobat Reader XI		
3. Requirements for a Personal Computer running under Linux Operating System: • 32 bit Intel Pentium® processor or equivalent • Red Hat® Linux® WS 5, SUSE® Linux Enterprise Desktop (SLED) 10 with Service Pack 2 or Ubuntu 7.10, GNOME or KDE Desktop Environment • 512 MB of RAM (1 GB recommended) • 150 MB of available hard-disk space(additional 75MB required for all supported font packs) • GTK+ (GIMP Toolkit) user interface library, version 2.6 or later • Firefox 2.x or 3.0 • OpenLDAP and CUPS libraries • Adobe Acrobat Reader 9	Microsoft Access 2013 runs only on Personal Computer under Windows 8, Windows 7, Windows Server 2008 R2 or Windows Server 2012 Operating System, and it's not compatible with Linux Operating System	Microsoft Access 2013 runs only on Personal Computer under Windows 8, Windows 7, Windows Server 2008 R2 or Windows Server 2012 Operating System, and it's not compatible with Linux Operating System
4. Requirements for a Personal Computer running under Solaris Operating System: • 32-bit Intel Pentium processor or equivalent • Solaris™ 10 u5 or OpenSolaris™ 2008.11, GNOME or KDE Desktop Environment (GNOME	Microsoft Access 2013 runs only on Personal Computer under Windows 8, Windows 7, Windows Server 2008 R2 or Windows Server 2012 Operating System, and it's not compatible with Solaris Operating System	Microsoft Access 2013 runs only on Personal Computer under Windows 8, Windows 7, Windows Server 2008 R2 or Windows Server 2012 Operating System, and it's not compatible with Solaris Operating System

LOCAL LEVEL (WUA)	REGIONAL LEVEL	NATIONAL LEVEL
only for Solaris 10) • 512 MB of RAM (1 GB recommended) • 200 MB of available hard-disk space (additional 75MB required for all supported font packs) • GTK+ (GIMP Toolkit) user interface library, version 2.6 or later (on Solaris 10; also works with GTK 2.4.9) • Firefox 2.x or 3.0 • OpenLDAP and CUPS libraries • Adobe Acrobat Reader 9		

P.S. In case a Water Users' Association is provided with a computer running with an older or different Windows or Mac Operating Systems, Adobe Acrobat Reader 9 will be compatible if the following requirements are provided, depending on the platform:

Windows	Mac OS
• 1,3 GHz Intel processor or equivalent • Microsoft Windows 2000 with Service Pack 4, Windows Server 2003, 2008 or 2008 R2, Windows XP Professional, Home Edition or Tablet PC Edition with Service Pack 2 or 3 (32 bit and 64 bit), Windows Vista Home Basic, Home Premium, Business, Ultimate or Enterprise with Service Pack 1 or 2 (32 bit and 64 bit), Windows 7 Starter, Home Premium, Professional, Ultimate or Enterprise (32 bit and 64 bit) • 128 MB of RAM (256 MB recommended) • 335 MB of available hard-disk space (installation requires additional hard-disk space) • Internet Explorer 7 or 8, Firefox 3.6 or 10 (ESR)	• PowerPC® G4, PowerPC G5 or Intel processor • Mac OS X v. 10.4.11–10.5.8 (PowerPC), Mac OS X v. 10.4.11–10.6.3 (Intel) • 128 MB of RAM (256 MB recommended) • 405 MB of available hard-disk space (installation requires additional hard-disk space) • Safari 3.0.4 or later versions