## Installasjon av Arcgis Desktop for bruk uten tilknytning til UiB nett (typisk felt-arbeid) (Keyless – uten usb-dongle)

Tidligere har det vært vanlig å registrere en usb-dongle for denne type installasjoner. Denne veiledning viser hvordan en i stedet kan registrere en lisensfil ut fra maskinens **hostname** og **mac-adresse (Physical address).** IT-avdelingen gjør selve genereringen av lisensfilen (http://myesri.com/sitelicense/) men trenger hostname og mac-adresse fra brukers maskin på forhånd. Dette kan en finne ved å taste ipconfig /all i et kommandovindu (gå i startmenyen – run/kjør – skriv cmd – Her skriver en ipconfig /all)

```
_ 0 X
Administrator: C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.
C:\Users\trondg>ipconfig /all
Windows IP Configuration
     IT009057
                                                                                klient.uib.no
                                                                                Hybrid
                                                                                No
No
                                                                                klient.uib.no
                                                                                uib.no
                                                                                uib.no
Ethernet adapter Local Area Connection:
      Connection-specific DNS Suffix . : uib.no
      Description . . . . . . . . . . . . . . . . Intel(R) 82566DM-2 Gigabit Network Connec
tion
      Physical Address. . . . . . . . .
                                                                                00-21-5A-68-74-97

      Physical Address.
      : 00-21-5A-68-74-97

      DHCP Enabled.
      <td:>Yes

      Autoconfiguration Enabled
      : Yes

      IPv4 Address.
      : 129.177.11.152(Preferred)

      Subnet Mask
      : 255.255.255.0

      Lease Obtained.
      : 28. september 2010 08:20:07

      Lease Expires
      : 129.177.11.1

      DHCP Server
      : 129.177.30.50

      DNS Servers
      : 129.177.30.72

      Primary WINS Server
      : 129.177.14.38

      Secondary WINS Server
      : 129.177.14.40

     Primary WINS Server . . . . .
Secondary WINS Server . . . .
NetBIOS over Tcpip. . . . . .
                                                                            : 129
                                                                   - -
                                                                                Enabled
                                                                        -
C:\Users\trondg>_
```

NB: Det er viktig at vi får mac-adresse (Physical address) som står under "Ethernet adapter Local Area Connection:". På bærbare får en også opp fysisk adresse for trådløst (Wireless) nettverkskort.

I dette tilfelle er Hostname og mac-adresse IT009057 og 00-21-5A-68-74-97. Ut fra dette kan noen fra IT-avdelingen (UiB) generere en lisensfil som kan brukes under installasjonen av

arcgis desktop/workstation. NB: Denne veiledning forutsetter at en har - lisensfil tilgjengelig generert ut fra din maskin. - Installasjonsmedie (arcgis desktop/workstation 9.3) - Gyldig lisensgrunnlag UiB-bruker/UiB-relatert arbeid

- 1. Installasjon av programmet:
  - a. Shift + høyreklikk på installasjonsfilen på dvd-en
  - b. Velg run as administrator

퉬 Xtras		02.06.2008 18:42	File folder	
✓ 93Conflict	Detector	27.09.2007 18:29	Application	2 190 KB
93ConflictDetector		23.04.2008 19:02 30.10.2003 22:42	Text Document Setup Information	5 KB 1 KB
🥔 ESRI 👝	1_	16.02.2004.21-41	Application	2 133 KB
ESRI	Open	8	Configuration sett	1 KB
🔁 quick 🖲	Run as administrator	в	Adobe Acrobat D	505 KB
Readr	Troubleshoot compatibility	6	Text Document	2 KB
	7-Zip			
	Scan ESRI.exe for Viruses and S	opyware		
	Send to	<b>F</b>		
	Сору			
	Create shortcut			
	Properties			

Ø ESRI	
ArcGIS Desktop	CArc GIS
<ul> <li>Uninstall Existing ArcGIS Software — required if upgrading an existing installation.</li> <li>Quick-Start Guide</li> </ul>	
ArcGIS Desktop 9.3	
<ul> <li>ArcGIS Desktop</li> <li>ArcGIS Crystal Reports Wizard</li> <li>ArcGIS Tutorial Data</li> <li>ArcGIS License Manager — REQUIRED FOR 9.3.</li> <li>ArcSDE for Microsoft SQL Server Express</li> <li>ArcReader for Windows</li> <li>ArcGIS Pre 9.3 GDB Direct Connect</li> <li>ArcGIS Desktop Installation Guide</li> </ul>	
<ul> <li>ArcSDE for Microsoft SQL Server Express Installation Guide</li> </ul>	
ArcGIS Pre 9.3 GDB Direct Connect Installation Guide	
ArcGIS Desktop 9.3 Developer Resources	
ArcGIS VBA Resources for Developers	
ArcGIS Desktop SDK for the Microsoft .NET Framework	A A
ArcGIS Desktop SDK for Visual Basic 6	
ArcGIS Desktop SDK for Visual C++	Vale Del
Help	Exit

2. Klikk på Arcgis Desktop for å sette i gang installasjonen





3. Videre skjermbilder viser forslag til installasjonsvalg:

	ArcGIS Setup
	License Agreement You must agree with the license agreement (E204 and E300) below to proceed.
[	IMPORTANT-READ CAREFULLY
	UNLESS SUPERSEDED BY A SIGNED LICENSE AGREEMENT BETWEEN YOU AND ESRI, ESRI IS WILLING TO LICENSE SOFTWARE, DATA, WEB SERVICES, OR DOCUMENTATION TO YOU ONLY IF YOU ACCEPT ALL TERMS AND CONDITIONS CONTAINED IN THIS LICENSE AGREEMENT. PLEASE READ THE TERMS AND CONDITIONS CAREFULLY. SOFTWARE, DATA, OR DOCUMENTATION WILL NOT BEGIN DOWNLOADING TO OR INSTALL ONTO YOUR COMPUTER SYSTEM UNTIL YOU HAVE MANIFESTED YOUR ASSENT TO THE TERMS AND CONDITIONS OF THE LICENSE AGREEMENT BY CLICKING "I accept the License Agreement" BELOW. IF YOU DO NOT AGREE TO THE TERMS AND CONDITIONS AS STATED, THEN ESRI IS UNWILLING TO LICENSE SOFTWARE, DATA, WEB SERVICES, OR DOCUMENTATION TO YOU, AND YOU
	<ul> <li>I accept the license agreement</li> <li>I do not accept the license agreement</li> </ul>
	View License Reset < Back Next > Cancel
1	HrcGIS Setup
1	ArcGIS Setup
	ArcGIS Setup License Manager A License Manager is required to use this software. Please select one of the following options to continue with the installation.    Browse for a License Manager on the network
1	ArcGIS Setup  License Manager  A License Manager is required to use this software. Please select one of the following options to continue with the installation.   Browse for a License Manager on the network  Define the License Manager later (using the Desktop Administrator)
1	ArCGIS Setup  License Manager  A License Manager is required to use this software. Please select one of the following options to continue with the installation.  Browse for a License Manager on the network  Define the License Manager later (using the Desktop Administrator)

HrcGIS Setup	
Select the default softw applications. The softw installing by using the A	are product type to run your ArcGIS are product type can be changed after cGIS Desktop Administrator.
⊘ ArcView	Includes ArcMap, ArcCatalog, and ArcToolbox. Provides advanced mapping and analysis plus shapefile and simple personal Geodatabase editing. Requires an ArcView keycode.
⊘ ArcEditor	Includes all ArcView capabilities plus schema management and advanced Geodatabase editing. Requires an ArcEditor keycode.
ArcInfo	Includes all ArcEditor capabilities. Full geoprocessing and data conversion in ArcToolbox is available by installing or accessing ArcInfo Workstation. Requires an ArcInfo keycode.
	K K K K K K K K K K K K K K K K K K K
Jul	



Velger bevisst å legge installasjon på D:\ for å unngå eventuelle problemer med rettigheter på c:\

tination Folder		
Select a folder where the application will be	installed.	15
The Setup will install the files for ArcGIS D	esktop in the following folder.	
To install into a different folder, click Brow	use and select another folder.	
Destination Folder		
D:\Program Files (x86)\ArcGIS\	B	owse
Help	Park Nasta	
actic Catura		
cGIS Setup		X
cGIS Setup on Destination Folder Select a folder where Python will be installed.		X Canc
cGIS Setup on Destination Folder Select a folder where Python will be installed. Python 2.5.1 and Numerical Python (numpy) 1 Geoprocessing tools. It is recommended that I setup.	.0.3 are required to support certain cor they be installed by the ArcGIS Deskto	e p
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cGIS Setup on Destination Folder Select a folder where Python will be installed. Python 2.5.1 and Numerical Python (numpy) 1 Geoprocessing tools. It is recommended that I setup. The setup will install Python 2.5.1 and Numeric folder. To install into a different folder, click Br Python Folder D:\Python25\ The Python 2.5.1 installation directory should r Numerical Python (numpy) 1.0.3 will need 51 N	.0.3 are required to support certain cor they be installed by the ArcGIS Deskto cal Python (numpy) 1.0.3 in the followir rowse and select another folder. Browse hot contain spaces. Python 2.5.1 and 4B of additional disk space to install.	e p

岗 ArcGIS Setup	
Ready to Install the Application	
Click Next to begin installation.	1 Fr
Click the Back button to reenter the installation information or click Cancel the wizard.	to exit
ArcGIS Desktop features will be installed to D:\Program Files (x86)\ArcGIS'	<b>N</b>
Python 2.5.1 and Numerical Python (numpy) 1.0.3 will be installed to D:\Python25\	
Help < Back Next >	Cancel

H ArcGIS Setup	
Updating System The features you selected are currently being installed.	
Copying new files File: ESRI.ArcGIS.SystemUI.dll Directory: Size: 32768 Time remaining: 3 minutes	
	Cancel

Når programmet er installert gjenstår det å få orden på lisensen.

4. Dersom IT-avdelingen har fått generert lisensfil ut fra maskinens mac-adresse og hostname, vil en mest sannsynlig ha fått en e-post der lisensfilen er vedlagt. Lisensfilen lagrer en på et sted der en vet at en finner den igjen senere.

Fra:	KeyCodes [keycodes@esri.com]	
Til:	Trond Gravvold	
Kopi:		
Emne:	9.x ESRI license file for 00215a687497/UNIVERSITETE I BERGEN	
Vedlegg:	00215a687497 v9.efl9(3kB)	
Environmental Systems 1 Fax: (909) 307-3082 Telephone: (888) 377-4 E-Mail: keycodes@esri.	Research Institute, Inc. (ESRI) 575 com	
Date Sent: 09/28/2010		

5. For å bruke lisensfilen må en installere en nyere utgave av License Manager for bruk av installasjon av arcgis uten bruk av dongle. Denne har navn LMSetupKeyless.EXE og kan lastes ned fra:

http://resources.arcgis.com/content/patches-and-service-packs?fa=viewPatch&PID=43&MetaID=1394

eller

https://tjinfo.uib.no/program (for de med brukerkonto ved Universitetet i Bergen.)

- 6. Når LMSetupKeyless.exe er lastet ned må en kjøre den som administrator:
  - a. Shift + høyreklikk på LMSetupKeyless.EXE
  - b. Velg run as administrator

🗐 LMSetupKeyle			20.00.2010.10.24	Ameliantina
		Open		
	0	Run as administrator		
		Run as different user		



- 7. En får en advarsel om at 64-bit OS bare støtter bruk av usb-dongler. Erfaringsmessig har det gått greit å ignorere denne meldingen.
- 8. Når en trykker Continue får en beskjed om å importere lisens-filen (som en skal ha mottatt på mail). Se neste side





ArcGIS 9 License Manager	r Setup
	Installation Summary
	If you want to review or change any selection, click Back. If you are satisfied with the selections, click Install to begin the installation.
	[Installation Option] Install the ArcGIS 9 License Manager Software.
	[Installation Folder] License Manager: C:\PROGRA~2\ESRI\License\arcgi:
	[Program Folder] License Manager: ArcGIS\License Manager (9.x)
	[Processor Architecture] 64-bit processor
	* + + +
	< <u>B</u> ack <u>Install</u> Cancel



9. Når maskin er restartet skal en starte programmet "Desktop Administrator"



10. Trykk change – skriv inn Hostname (navnet på maskinen din som ble oppgitt for registrering av lisensfil.)

🛃 ArcGIS Desktop Administrator	×
ArcGIS Desktop (IT009057) Software Product Carlos Manager Register Single Use and Extensions Availability	License Manager (for floating software products): IT009057 Change
Change Licen License Mar Browse t network Manager	se Manager  hager  ior a License Manager on the or enter one or more License s separated by ";".  57 Browse OK Cancel
Help	OK Cancel Apply

Nå skal Arcgis Desktop og lisens være ferdig installert. Programmet skal nå kunne fungere uten å være tilkoblet internett. Lisenskoder må fornyes før 31.01. neste år. Kontakt da IT-avdelingen via bs.uib.no (evt 555 84700) når det begynner å nærme seg (rett over nyttår).

## Arcgis workstation

1. Når lisens lisens manager (LMSetupKeyless.EXE) er installert og lisensfil registrert så er installasjonen av arcgis workstation mer og mindre rett frem.







B ArcInfo Workstation Setup	
-2-	Welcome to the ArcInfo Workstation Setup
100	It is strongly recommended that you exit all Windows programs before running this Setup Program.
- BA	Click Cancel to quit Setup and close any programs you have running. Click Next to continue with the Setup program .
	WARNING: This program is protected by copyright law and international treaties.
	Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.
Install Guide	< Back Next > Cancel
詞 ArcGIS ArcInfo Workstation Setup	
License Agreement You must agree with the license agreement (E	204 and E300) below to proceed.
IMPORTANT-REA	AD CAREFULLY

UNLESS SUPERSEDED BY A SIGNED LICENSE AGREEMENT BETWEEN YOU AND ESRI, ESRI IS WILLING TO LICENSE SOFTWARE, DATA, WEB SERVICES, OR DOCUMENTATION TO YOU ONLY IF YOU ACCEPT ALL TERMS AND CONDITIONS CONTAINED IN THIS LICENSE AGREEMENT. PLEASE READ THE TERMS AND CONDITIONS CAREFULLY. SOFTWARE, DATA, OR DOCUMENTATION WILL NOT BEGIN DOWNLOADING TO OR INSTALL ONTO YOUR COMPUTER SYSTEM UNTIL YOU HAVE MANIFESTED YOUR ASSENT TO THE TERMS AND CONDITIONS OF THE LICENSE AGREEMENT BY CLICKING "I accept the License Agreement" BELOW. IF YOU DO NOT AGREE TO THE TERMS AND CONDITIONS AS STATED, THEN ESRI IS UNWILLING TO LICENSE SOFTWARE, DATA, WEB SERVICES, OR DOCUMENTATION TO YOU, AND YOU	•
<ul> <li>I accept the License Agreement</li> <li>I do not accept the License Agreement</li> </ul>	
View License Reset < Back Next > Cancel	

🛃 ArcInfo Workstat	ion Setup	X
Select Installation Select the desire	<b>Type</b> d installation type.	
© Typical	The most common application features will be installed. Important: This option does not include extensions.	
<ul> <li>● Complete</li> <li>● Definition</li> </ul>	All application features will be installed.	
Custom	Use this option to choose which application features you want installed. Recommended for advanced users.	
Help	< Back Next > C	ancel

😸 ArcGIS ArcInfo Workstation Setup		
Destination Folder Select the folder to install your application into		
The Setup will install the files for ArcInfo Workstation in the following folder.		
To install into a different folder, click Browse and select another folder.		
Destination Folder D:\ArcGIS\ The ArcInfo Workstation installation directory should not contain spaces. You can choose not to install ArcInfo Workstation by clicking Cancel to exit the Setup Program.		
Help Cancel		

討 ArcInfo Workstation Setup	
Start Installation	EA.
Are you ready to have ArcInfo Workstation Setup begin the install?	
Click Next to begin or Back to change the installation information.	
ArcGIS ArcInfo Workstation features will be installed to D:\ArcGIS\.	
The Workspace folder is D:\WorkSpace\.	
Help Kext >	Cancel
B ArcInfo Workstation Setup	
ArcInfo Workstation Setup Updating System The features you selected are currently being installed.	
ArcInfo Workstation Setup Updating System The features you selected are currently being installed.	
ArcInfo Workstation Setup      Updating System      The features you selected are currently being installed.	
ArcInfo Workstation Setup Updating System The features you selected are currently being installed.	
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ArcInfo Workstation Setup Updating System The features you selected are currently being installed.	
ArcInfo Workstation Setup      Updating System      The features you selected are currently being installed.	

