



Installation Instructions

*Research Program: **Plant and Animal Genomics***
*Research Group: **Statistical and Population Genomics***

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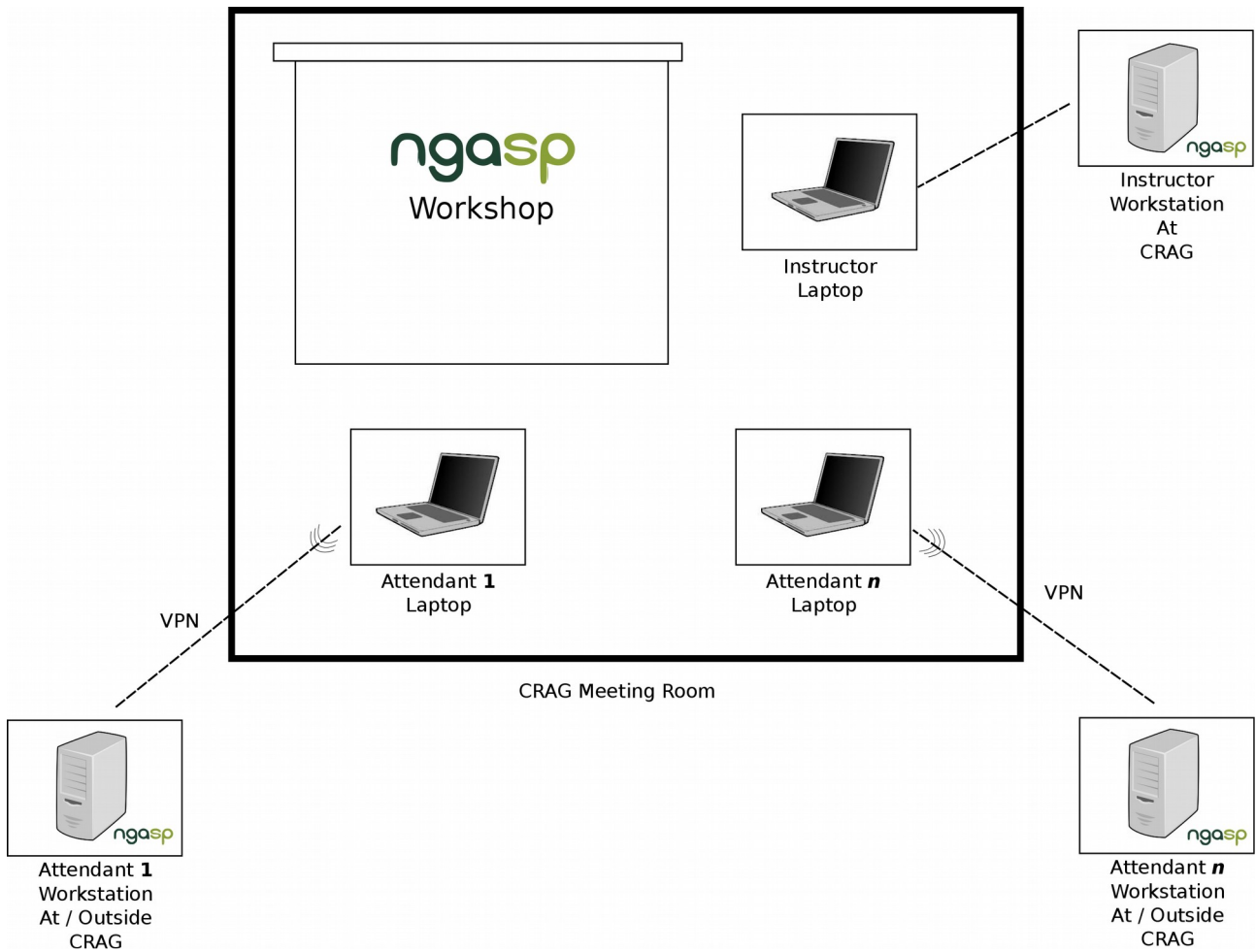
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Technical Supervisor: G. Vera

Workshop – Session 1 - May 3, 2017

Workshop Requirements

To attend the workshop you will need:

1. To install ngasp system in your workstation, and
2. A laptop connected via wifi & vpn to your workstation.



Please, follow the instructions bellow for installing the ngasp system in your workstation.

System Installation Instructions on the Attendant Workstation

(Linux)

If your Linux is Fedora/Centos/RHEL/-based use “yum”. If it is Ubuntu/Debian/-based use “apt-get”.

1) Install Git

```
$ sudo yum install git
```

2) Install Docker

```
$ sudo yum update
$ tee /etc/yum.repos.d/docker.repo <<-'EOF'
[dockerrepo]
name=Docker Repository
baseurl=https://yum.dockerproject.org/repo/main/centos/7/
enabled=1
gpgcheck=1
gpgkey=https://yum.dockerproject.org/gpg
EOF
$ sudo yum install docker-engine
or
sudo yum install docker
$ sudo systemctl enable docker.service
$ sudo systemctl start docker
$ sudo groupadd docker
$ sudo usermod -aG docker $USER
$ sudo newgrp docker
```

3) Install Docker-Compose

```
$ curl -L https://github.com/docker/compose/releases/download/1.9.0-rc1/docker-
compose-'uname -s'-'uname -m' > /usr/bin/docker-compose
$ chmod +x /usr/bin/docker-compose
```

4) Download the ngasp Source Code

```
$ git config --global http.sslverify false
$ git clone https://github.com/CRAGENOMICA/ngasp-workshop01.git
$ git checkout develop
```

5) Build the Compiler Environment Container

```
$ cd <ngasp_folder>/docker
$ docker-compose -f compose.yml build
```

6) Build the Development Environment Container

```
$ cd <ngasp_folder>/docker/development-environment
$ docker build -t development-environment .
```

System Installation Instructions on the Attendant Workstation (Mac OS X)

1) Install Git

Install it from <http://git-scm.com/download/mac>

2) Install Docker

Install it from <https://docs.docker.com/docker-for-mac/install/>

3) Install Docker-Compose

Install it from <https://docs.docker.com/compose/install/>

4) Download the ngasp Source Code

```
$ git config --global http.sslverify false
$ git clone https://github.com/CRAGENOMICA/ngasp-workshop01.git
$ git checkout develop
```

5) Build the Compiler Environment Container

```
$ cd <ngasp_folder>/docker
$ docker-compose -f compose.yml build
```

6) Build the Development Environment Container

```
$ cd <ngasp_folder>/docker/development-environment
$ docker build -t development-environment .
```

System Installation Instructions on the Attendant Workstation (Windows)

1) Install Git

Install it from <http://git-scm.com/download/win>

2) Install Docker

Install it from <https://docs.docker.com/docker-for-windows/>

3) Install Docker-Compose

Install it from <https://docs.docker.com/compose/install/>

4) Download the ngasp Source Code

```
X:\>git config --global http.sslverify false
X:\>git clone https://github.com/CRAGENOMICA/ngasp-workshop01.git
X:\>git checkout develop
```

5) Build the Compiler Environment Container

```
X:\>cd <ngasp_folder>/docker
X:\ngasp_folder>docker-compose -f compose.yml build
```

6) Build the Development Environment Container

```
X:\>cd <ngasp_folder>/docker/development-environment
X:\ngasp_folder>docker build -t development-environment .
```