

RIR Declaration Management

- **Complete life-cycle Management**
 - Creation, deletion, modification
 - RIPE, APNIC, AfriNIC

- **Automated Exchanges**
 - Email and Sync-update

- **Compliant to RIR Requirements**
 - **Aggregation:** Ensure assignment of 80% of allocated IP addresses by the RIR before requesting new allocation from the RIR
 - **Registration:** Register all required IP address assignments
 - **Conservation:** Archive all exchanges with RIR

RIR Declaration Management

■ RIR Object Management

- Person
- Maintainer
- Inetnum, Inet6num
- Allocated PA / PI
- Assigned PI / PA
- LIR partition
- Domain
- Suballocation
- Autnum/AS Number
- Maintainer & Multi Maintainer

The screenshot displays a web-based form for RIR Declaration Management. A modal dialog box titled "AutNum parameters" is open, showing the following fields:

- Name :** AS102321
- AutNum :** (empty)
- AS Number :** 102321 *
- AS name :** Our private networks
- Description :** internal networks
- Request :** 00020-ipadmin *
- Maintainer :** NA-ALL-IP *

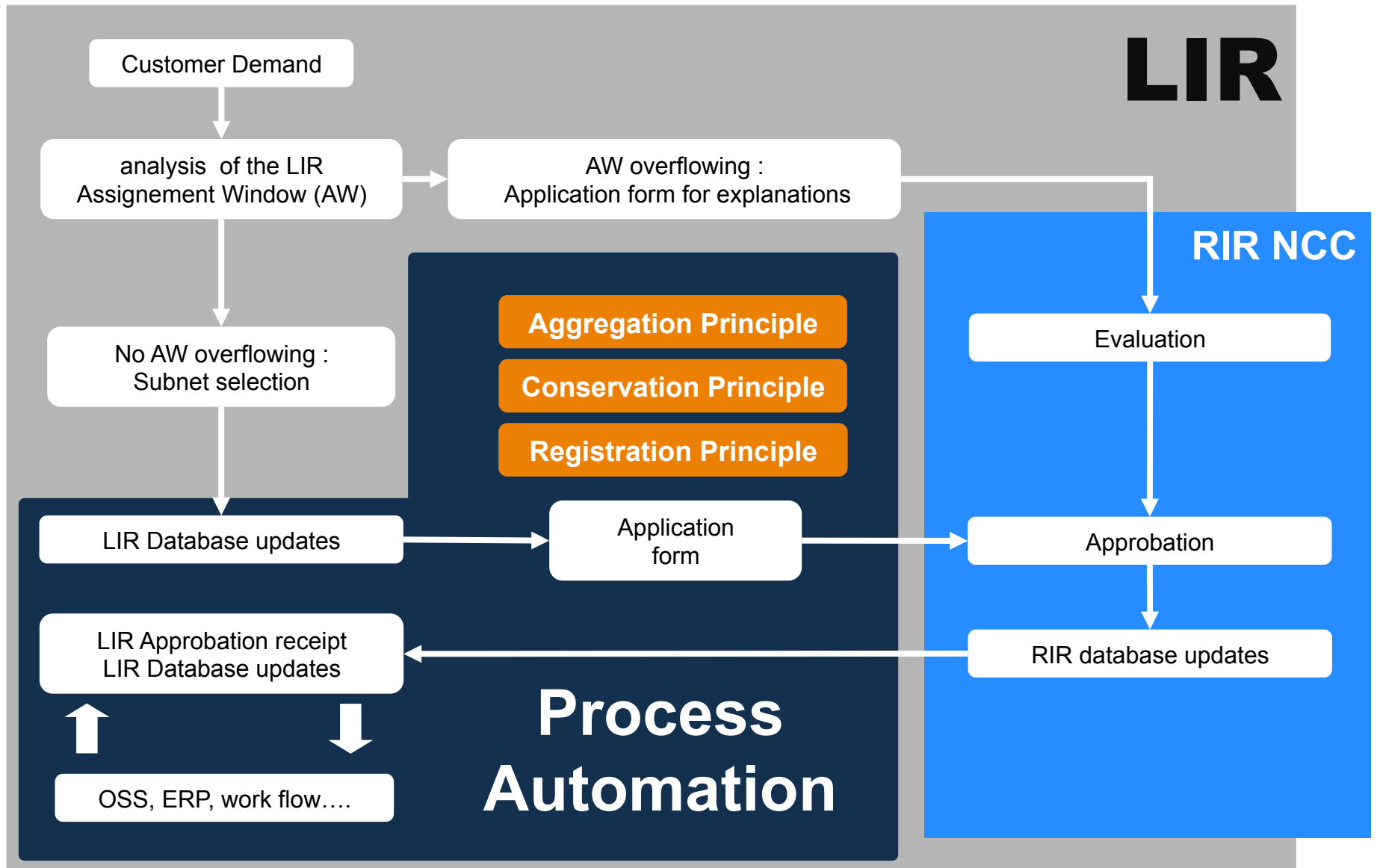
Navigation buttons at the bottom of the dialog include "PREVIOUS", "NEXT", and "CANCEL".

In the background, another form is partially visible with the following fields:

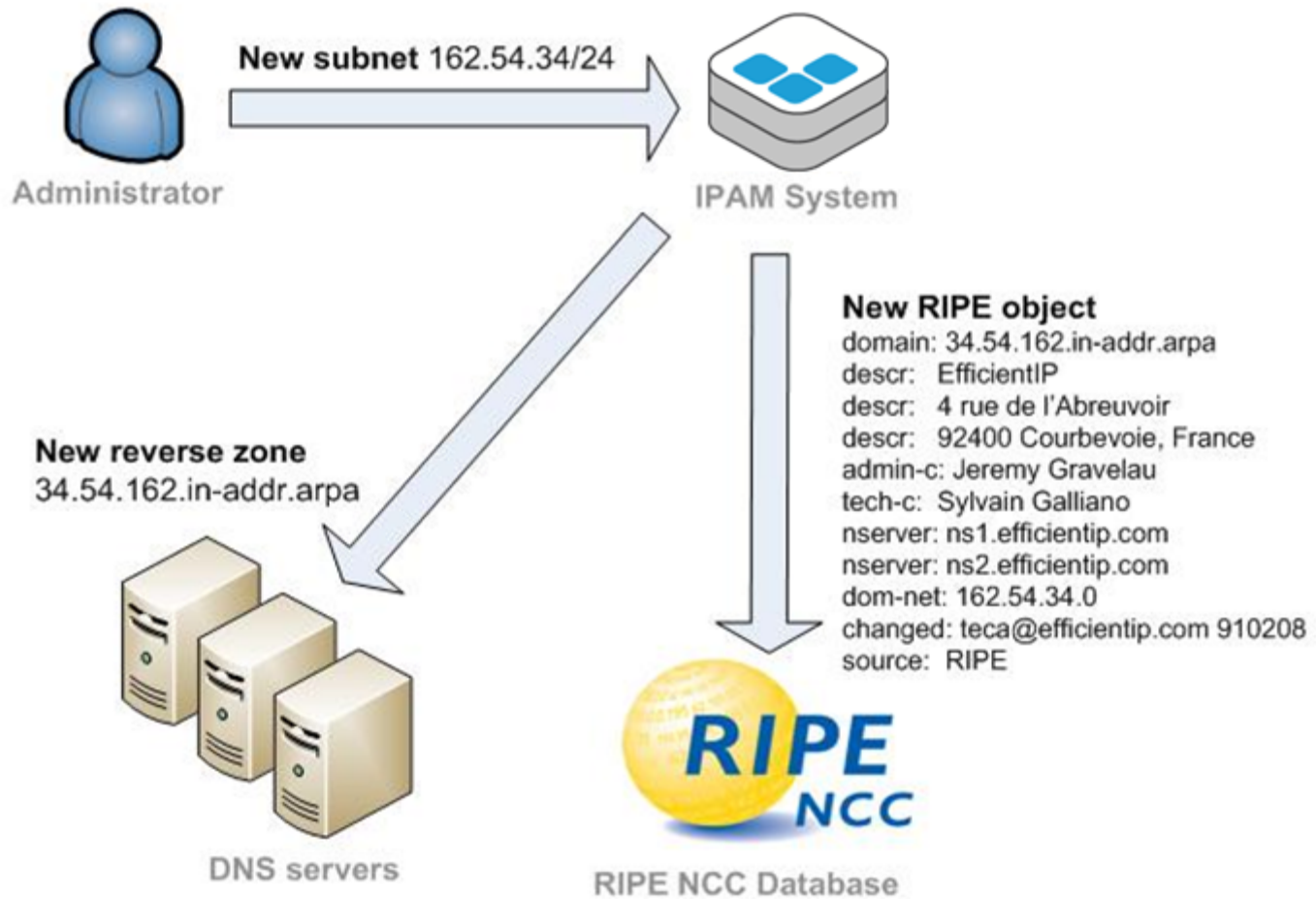
- Service ID :** 77800055
- Network name :** VODAFONE-OPCO1-NET *
- Description of the network will be used:** (empty)
- for VOD-on-phone** *
- in relation to the given** *
- resses for last stage** *

Navigation buttons for the background form include "PREVIOUS", "NEXT", and "CANCEL".

RIR Declaration Management



RIPE Registration



RIR Process Conformity Management

■ Subnet aggregation control

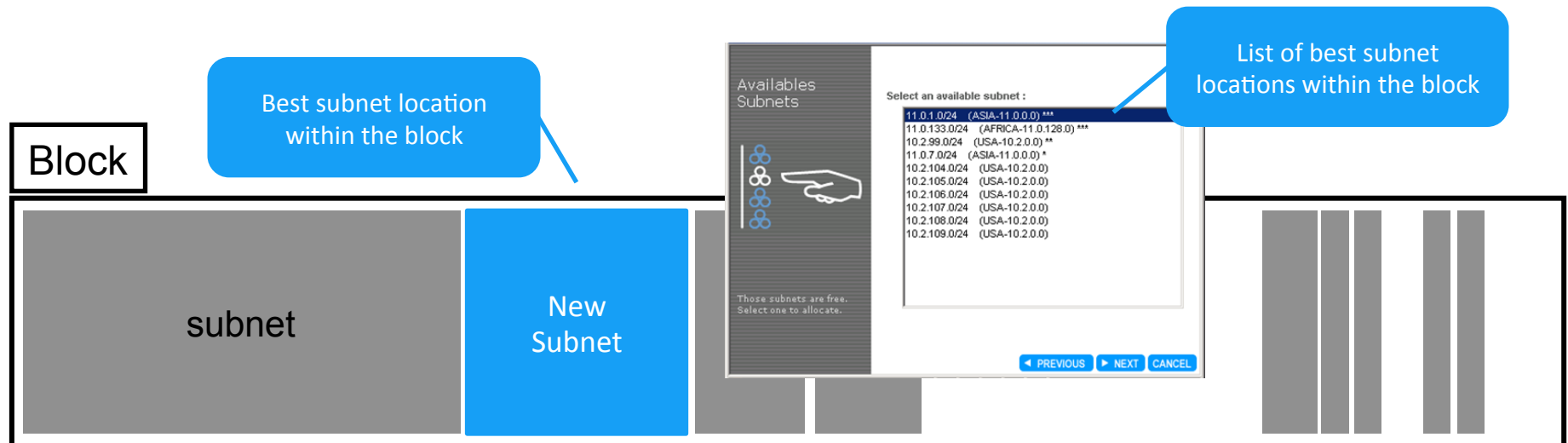
The screenshot displays the efficient iP interface with the following components:

- Navigation:** IPAM, DHCP, DNS, IP Locator, Workflow, Administration.
- Breadcrumbs:** All spaces > All blocks > All subnets > All pools > All addresses.
- Table:** A table with columns: Name, Size, Description, Start, End, Space, Class, Allocated, Status. It shows subnets for 'corp', 'de', 'de', 'es', and 'es'.
- Map View:** A detailed view of subnets with IP ranges (e.g., 10.0.58.0 to 10.1.3.0) and a visual representation of available and allocated subnets.

Name	Size	Description	Start	End	Space	Class	Allocated	Status
corp	256		192.168.126.0	192.168.126.255	My Company		100%	OK
de	256	Interco	198.168.10.0	198.168.10.255	My Company	Country	30%	OK
de	> 65K	LAN	10.2.0.0	10.2.255.255	My Company	Country	11%	OK
es	256	Interco	198.168.11.0	198.168.11.255	My Company	Country	25%	OK
es	> 65K	LAN	10.3.0.0	10.3.255.255	My Company	Country	9%	OK

RIR Process Conformity Management

■ Subnet aggregation management



- Search engine to identify available space for a new subnet
 - Stage#1: SOLIDserver analyses the subnet fragmentation
 - Stage#2: identification of the optimal subnet location for a minimal block fragmentation



Thanks for your attention!