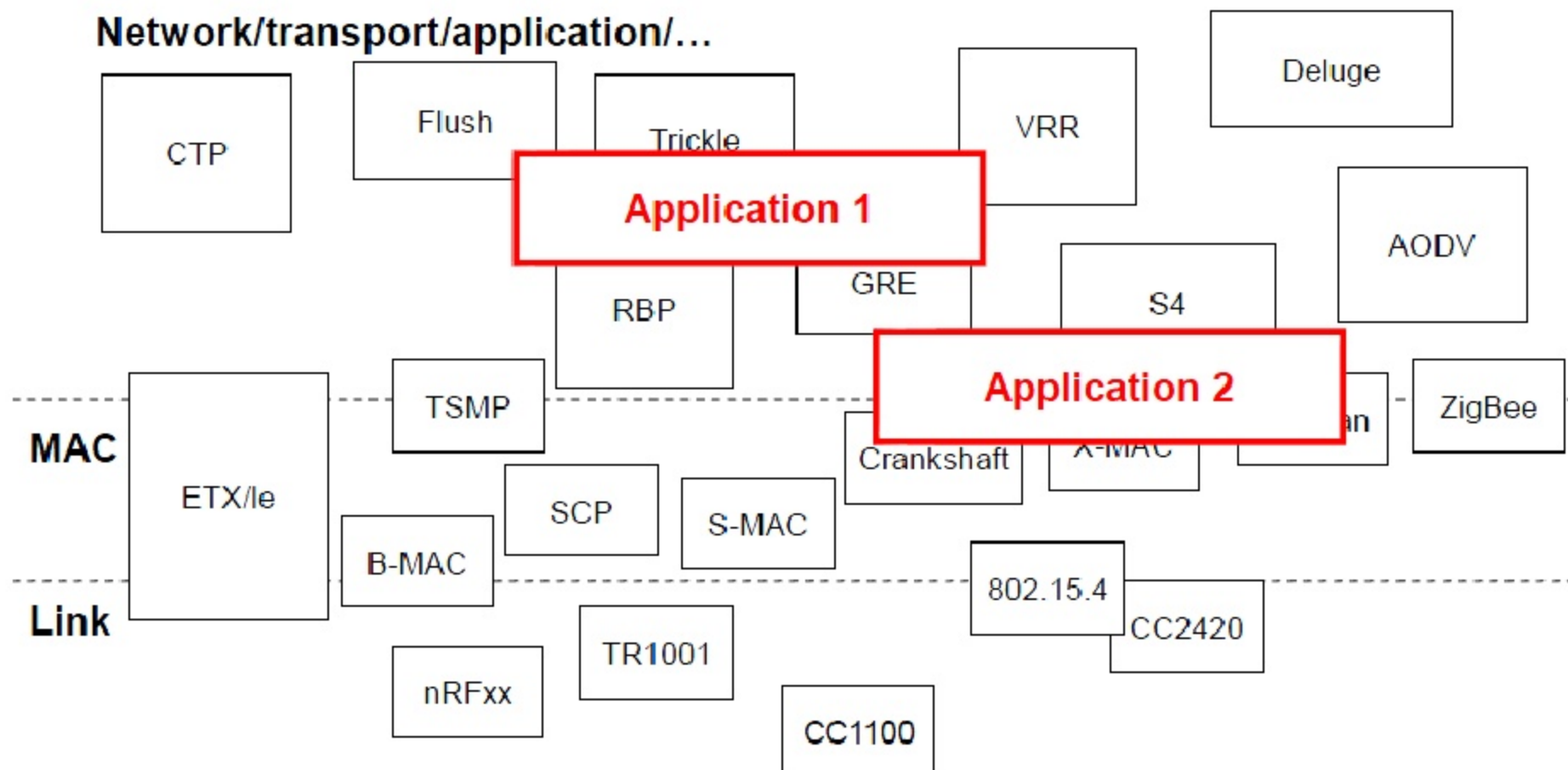
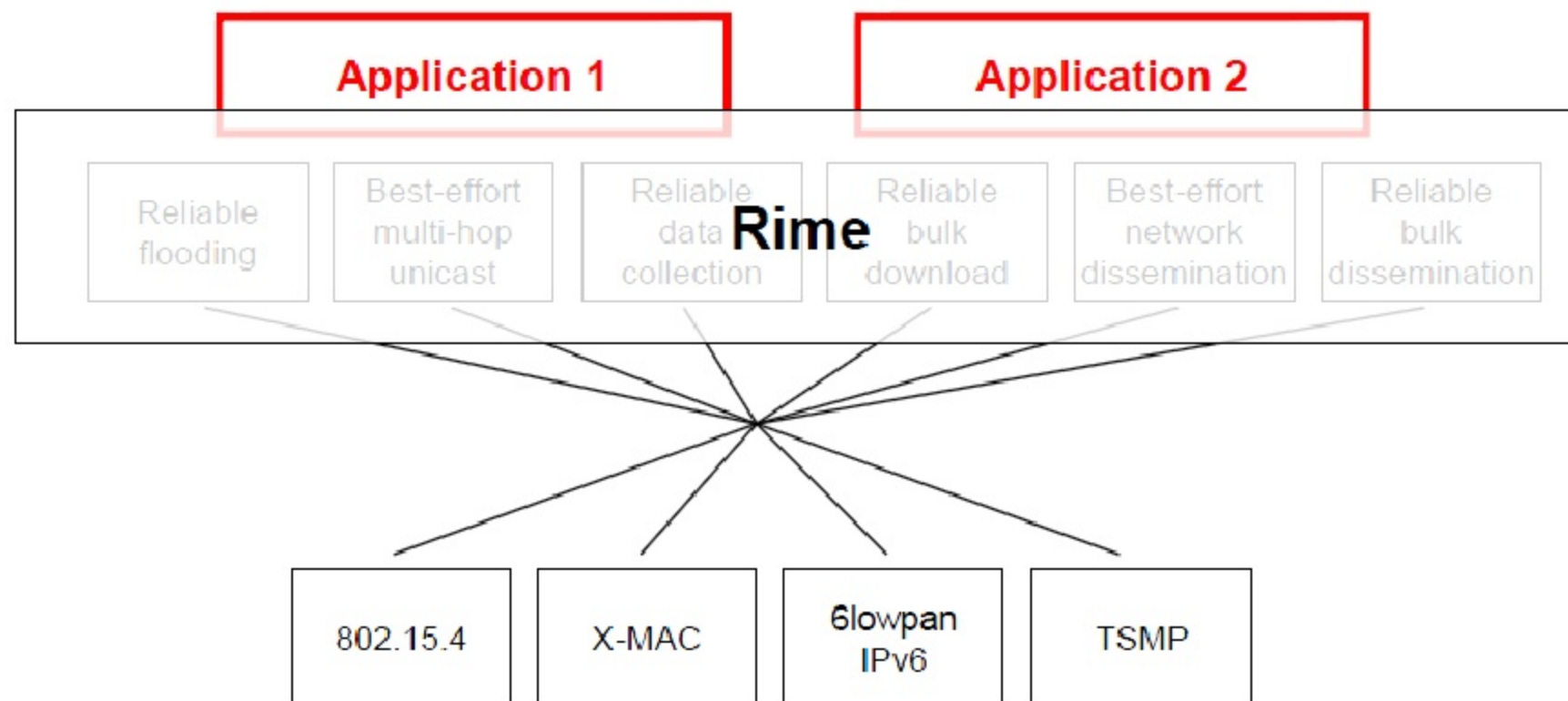


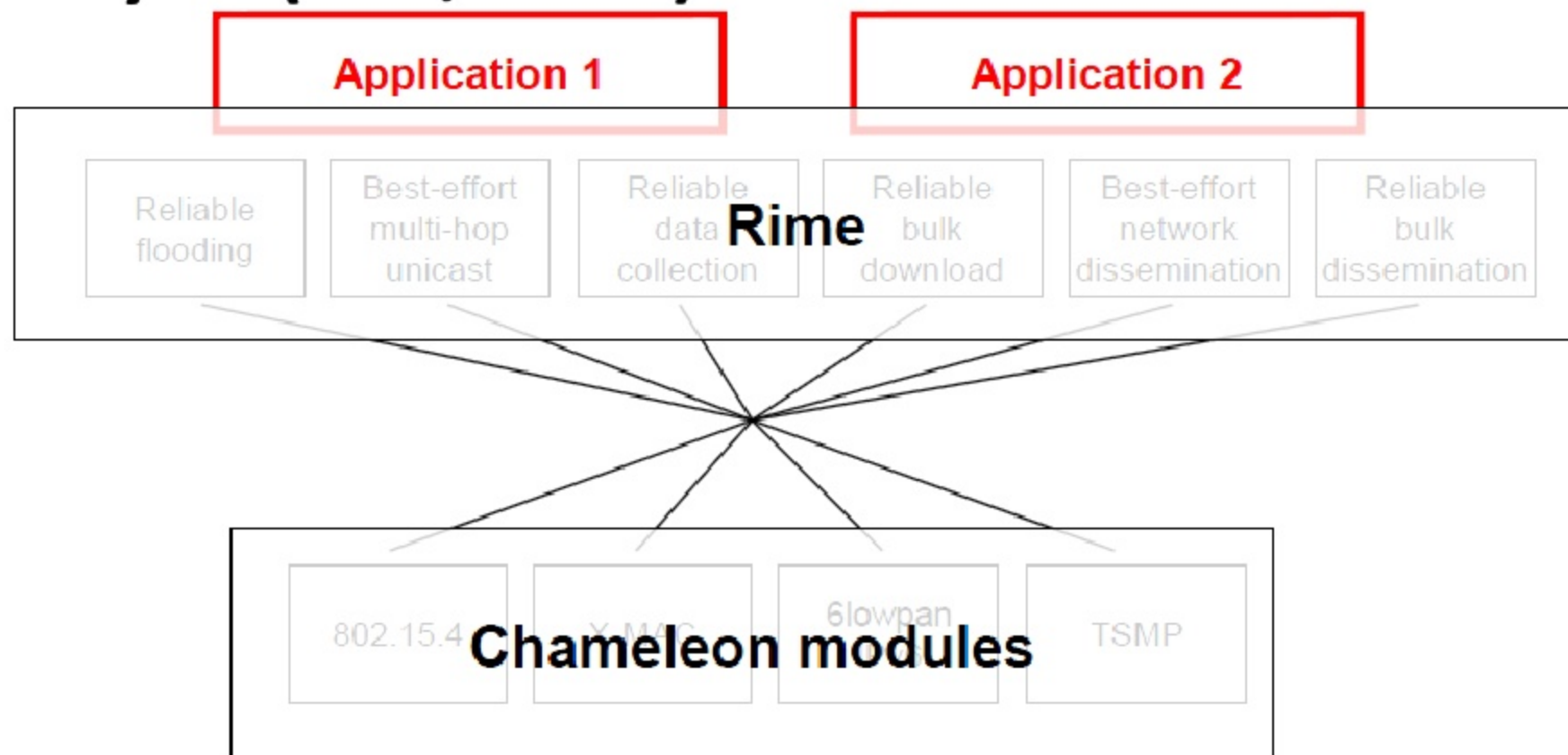
Communication programming: before Rime



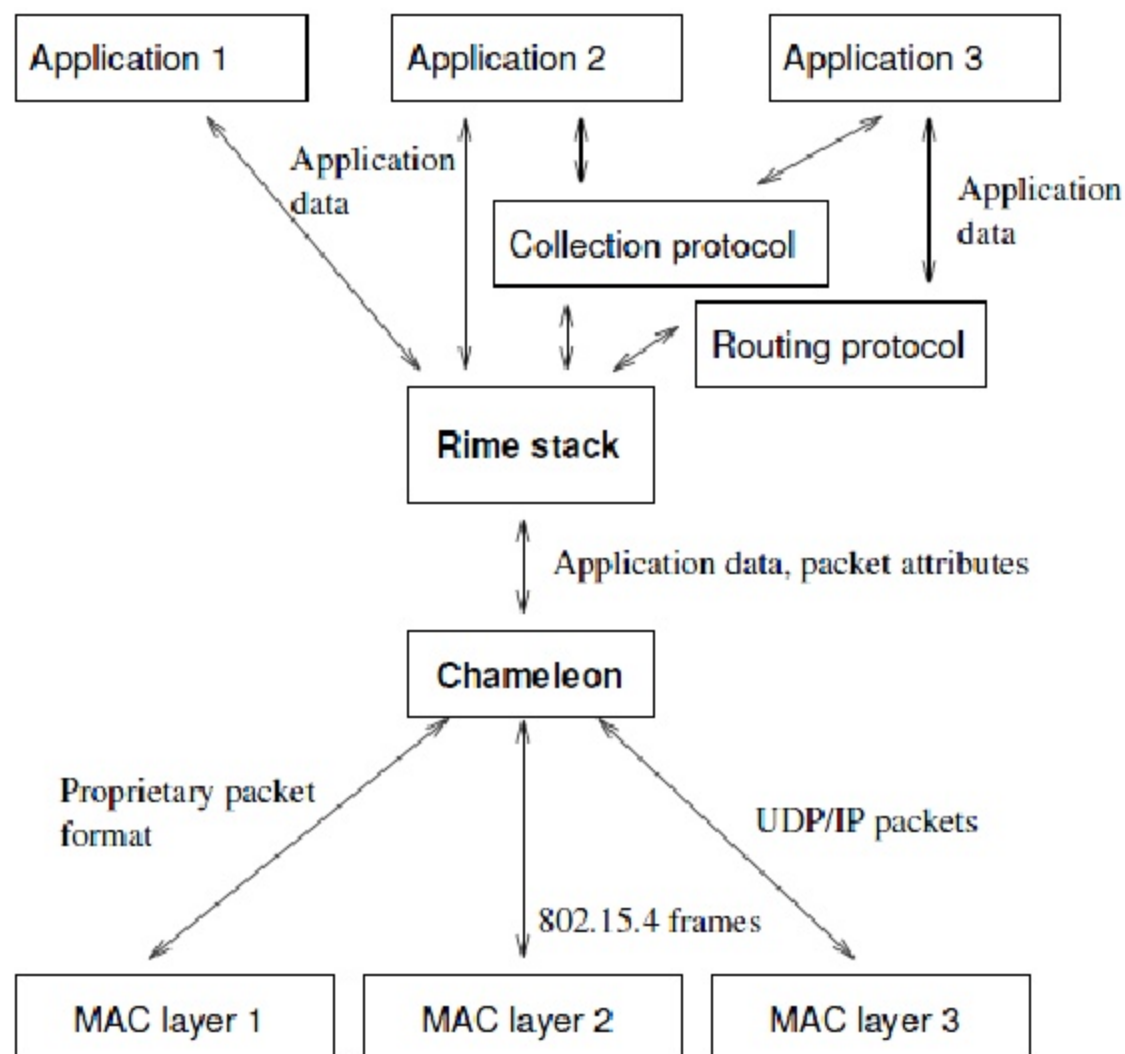
Rime: 'Sockets' for WSN



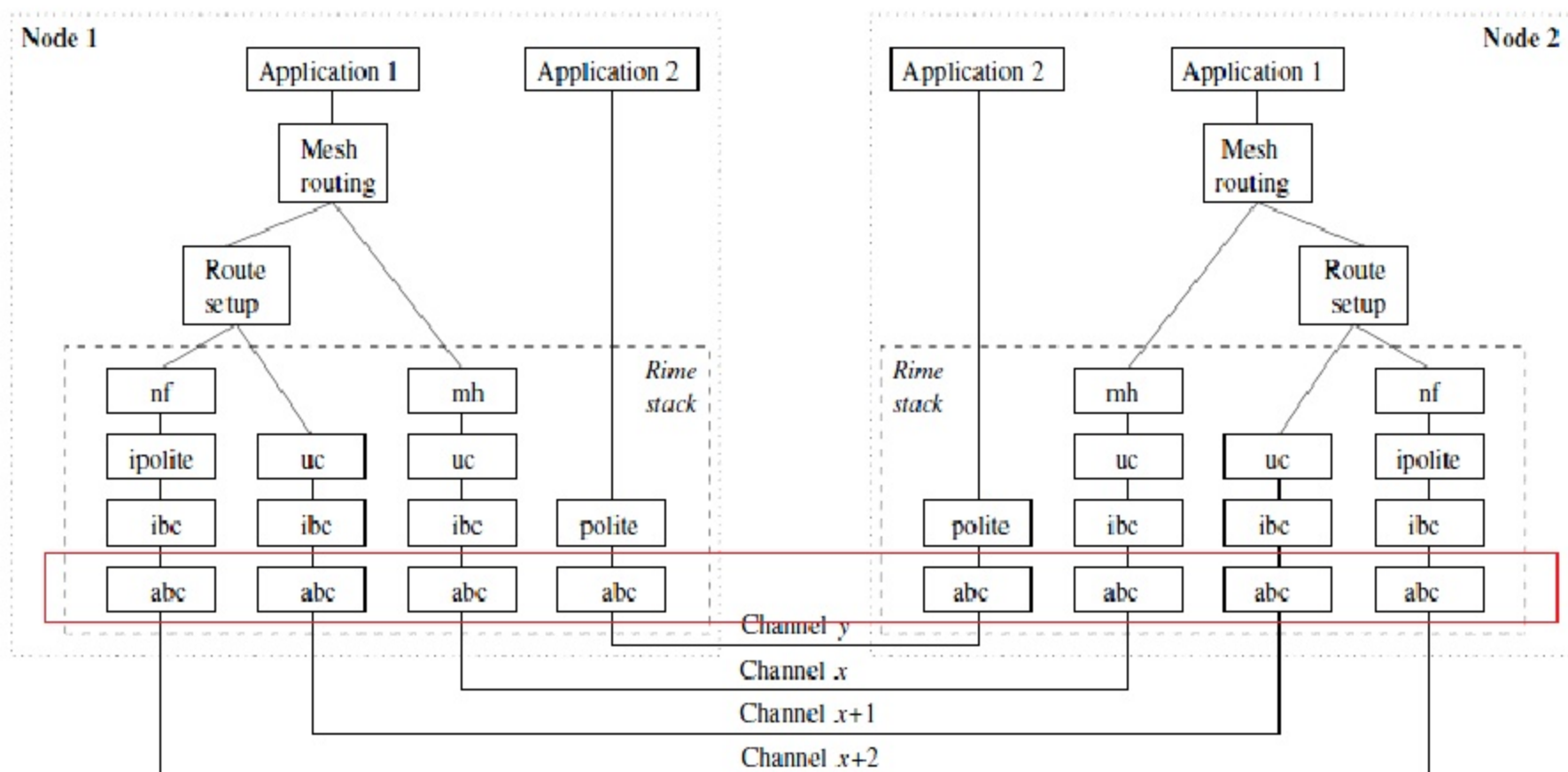
Chameleon: Adapting to underlying layers(link, MAC)



Rime/Chameleon:the whole picture



How to communicate with Rime



Programming with Rime: example

```
void recv(struct mesh_conn *c, rimeaddr_t *from) {
    printf("Message received\n");
}
```

Step1: Message Handler

```
struct mesh_callbacks cb = {recv, NULL, NULL};
struct mesh_conn c;
```

Step2: Connection definition

```
void setup_sending_a_message_to_node(void) {
    mesh_open(&c, 130, &cb);
}
```

Step3: open the connection

```
void send_message_to_node(rimeaddr_t *node, char *msg,
                          int len) {
    rimebuf_copyfrom(msg, len);
    mesh_send(&c, node);
}
```

Step4: send the message