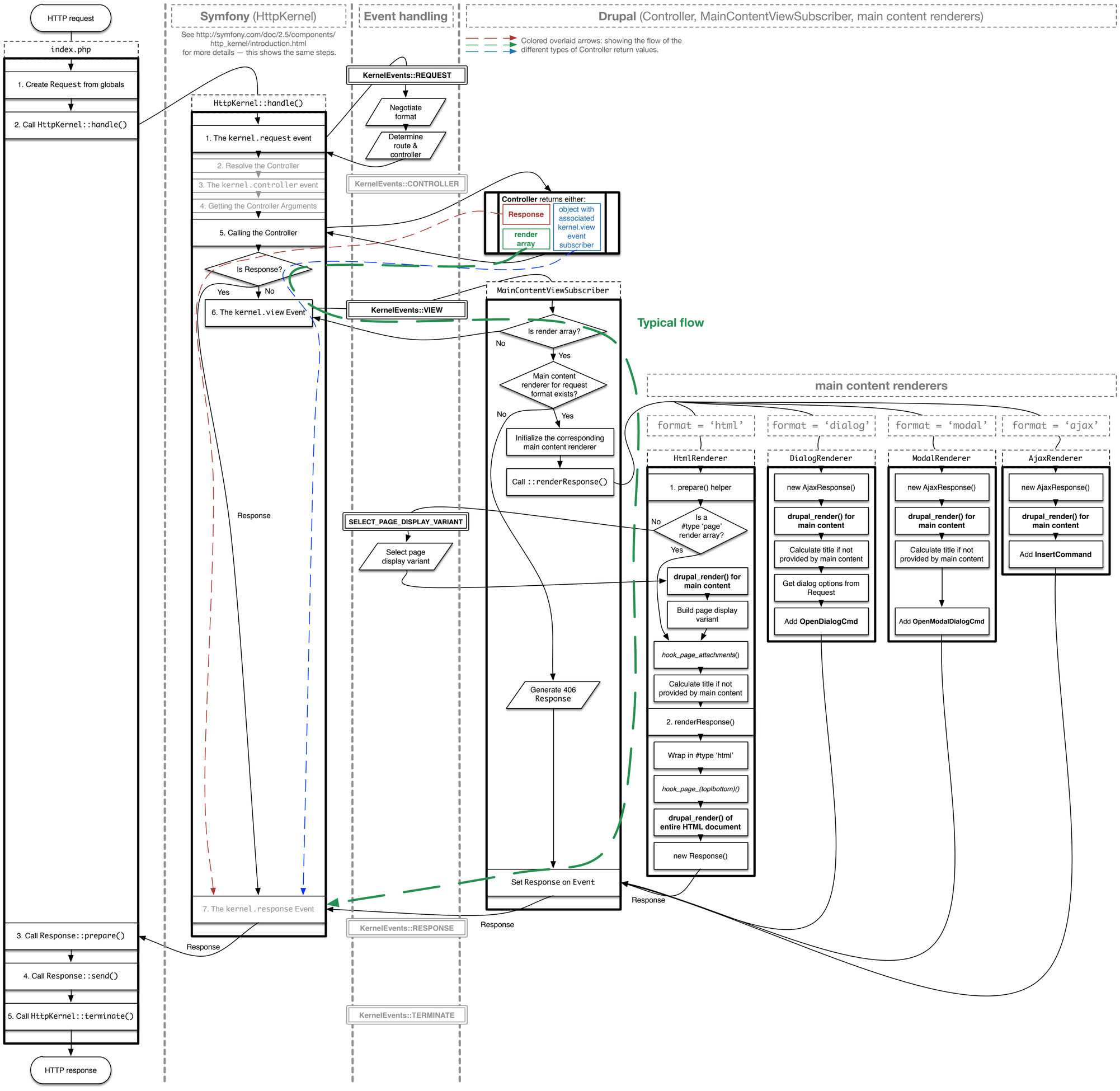
Request handling and rendering flow



Explanation

Some parts are greyed out because they're of lesser importance: they do happen, but are not crucial for understanding the flow.

Example: **GET /admin.**

Typically, the format will be **html**, but it could also be **ajax, dialog, modal, json, hal_json, and more.**
See: Symfony's Request::setFormat().

Example: **/admin path → system.admin route**
That route has the following attributes:
_content: '\D\s\C\SystemController::systemAdminMenuBlockPage'
_title: 'Administration'

_controller is set to '\D\s\C\SystemController::systemAdminMenuBlockPage'

\D\s\C\SystemController::systemAdminMenuBlockPage is called, it returns a render array with no #type.

MainContentViewSubscriber only handles render arrays!
If it's anything else (e.g. an object), then it's up to another VIEW event subscriber to turn it into a Response.

MainContentViewSubscriber looks at the available main content renderer services. These are **tagged with *render.main_content_renderer*.**
Contributed modules can additional renderers.

The flow for all four formats supported in core in their respect is displayed next, but the **explanations below only apply to the HtmlController!**
If an unsupported format was negotiated, a 406 response is generated.

Example: **BlockPageVariant** selected.

The main content must already be rendered, because it might set the page title.

The result of a built page display variant is a #type 'page' render array.

hook_page_attachments() operates on #type 'page'.

Only accepts render arrays of #type 'page'!

hook_page_top() and hook_page_bottom() operate on #type 'html'.

Renders the 3 parts of the HTML body: *page_top*, *page*, *page_bottom* (where *page* corresponds to #type 'page' and hence **page.html.twig**).
Then renders the entire HTML (i.e. the **html.html.twig** template).

Example: response for the path **/admin**.