The introduction of `gmx::index` (aka `ptrdiff_t`) as result of the discussion in [2010](#2010) "Use size_t instead of int for indexing" requires actual complete implementation. The co-existence of both leads to extra code at the interface of those data structures using int and those using `gmx::index`.

I suggest to have the issue cover `size_t` as well which has leaked into the code quite significantly (>3k occurrences).