

# Biokenaf

QLK5 CT2002 1729

Sixth technical meeting  
Volos, 1/7/05-today

E. Alexopoulou/CRES



# Objectives of this meeting

The objectives of this meeting are to:

- Review the work done during the third year of the project.
- Discuss about the problems experienced and the solutions sought
- Report on the achievements, milestones and deliverables of this reporting period
- Plan the work for the next 6 months



# Work that was done after the last technical meeting in Catania

## *Presentation and dissemination of the results*

Presentation of the BIOKENAF results in Murcia (17-21/9/05, Industrial Crops and Rural Development)

- ⇒ Biomass yields of kenaf in Southern Europe (Alexopoulou et al) Oral Presentation
- ⇒ Kenaf Biomass Production in Extremadura (Spain) J. Gonzalez Cortes and A. Ayuso Mateos) Poster presentation
- ⇒ Irrigation and N-Fertilization effects on kenaf growth and biomass productivity in central Greece (N.G.Danalatos and S.V.Archontoulis) Poster presentation
- ⇒ Sowing time and plant density effects on growth and yield responses of kenaf in Spain (N.G.Danalatos and S.V.Archontoulis) Poster presentation



# Work that was done after the last technical meeting in Catania

## Presentation of the BIOKENAF results in Paris (17-21/10/05, 14<sup>th</sup> European Biomass Conference)

- BIOKENAF A European Network for the Biomass Production Chain of Kenaf (Alexopoulou et al.) Poster presentation
- Crop different sensibility to photosynthesis quantum efficiencies from fast chlorophyll a fluorescence in kenaf (Tenotio et al.) Oral presentation
- Effect of sowing time on seed production on kenaf (*Hibiscus cannabinus* L.) in Sicily (Consentino et al.) Oral presentation
- Effects of growth, productivity and biomass quality of kenaf of soils contaminated with heavy metals (Fernando et al.) Oral presentation

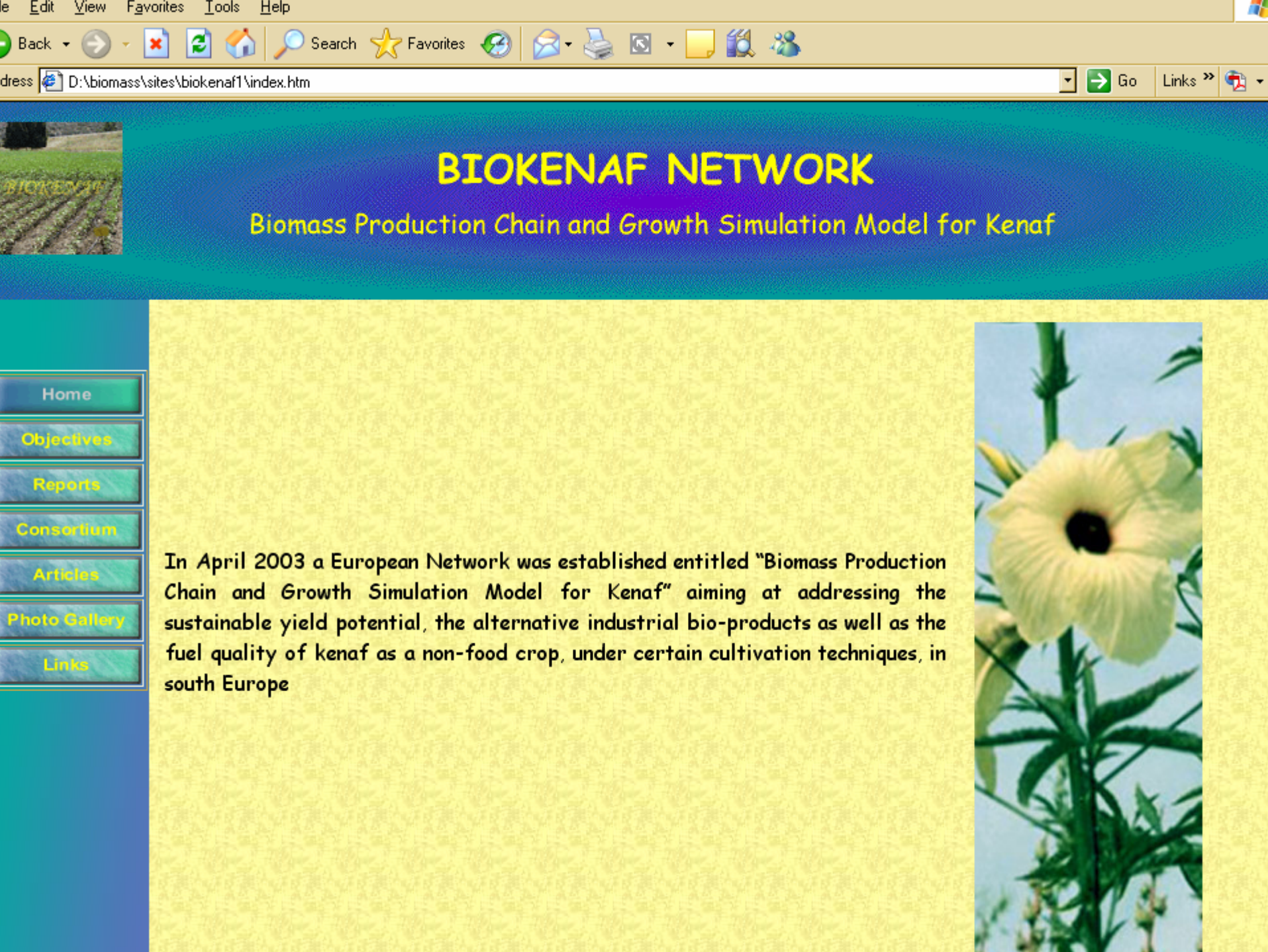
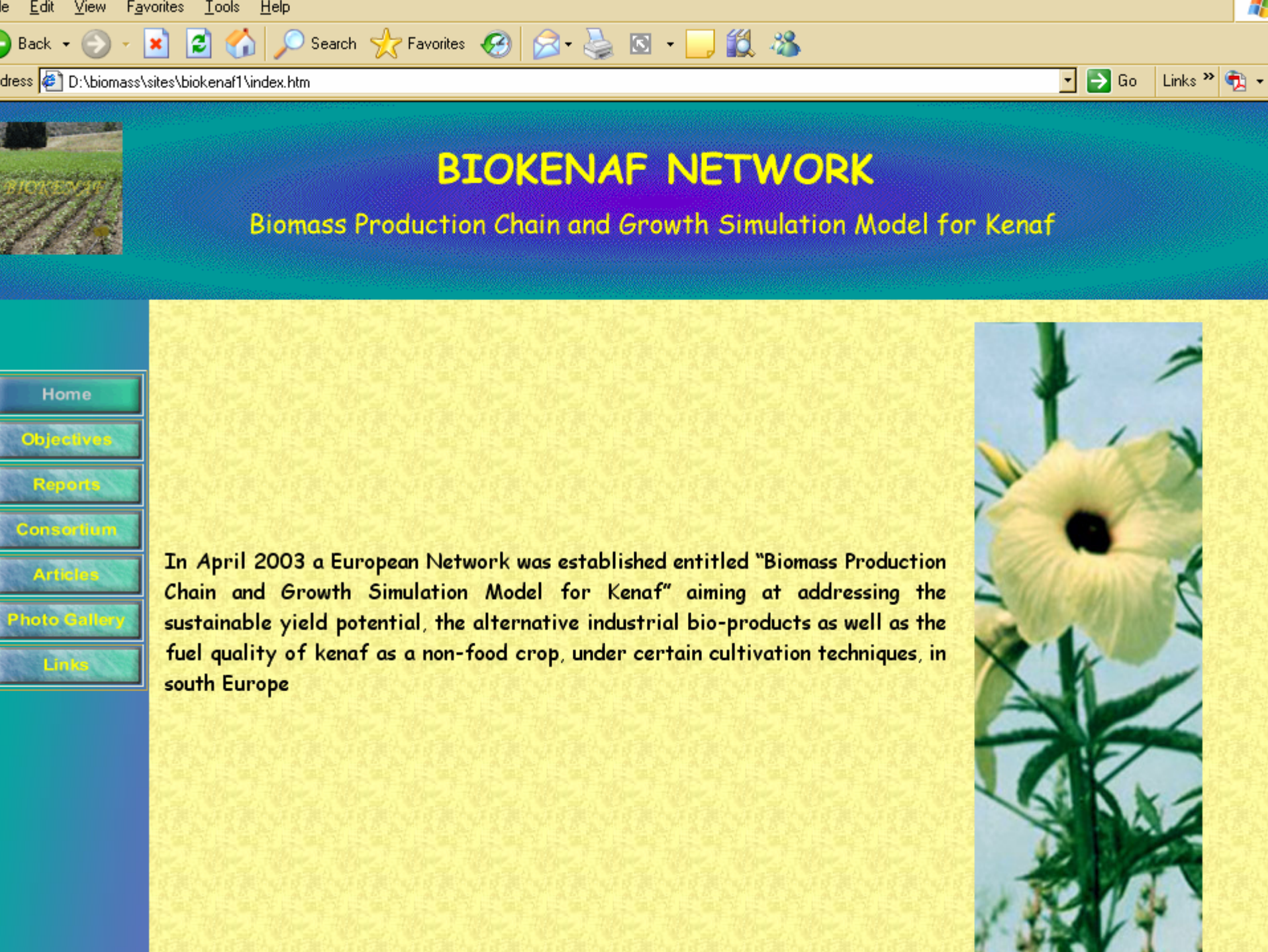
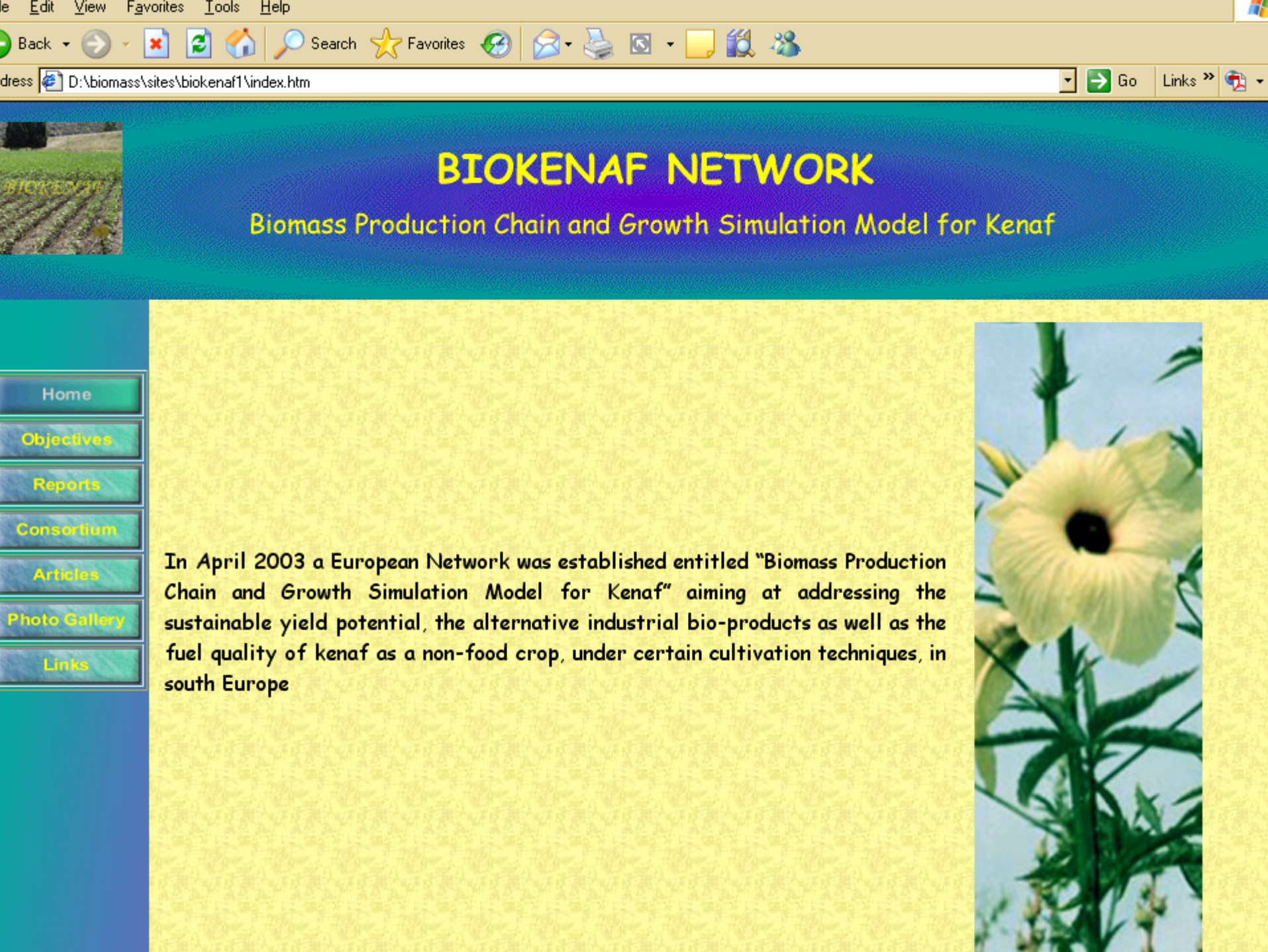
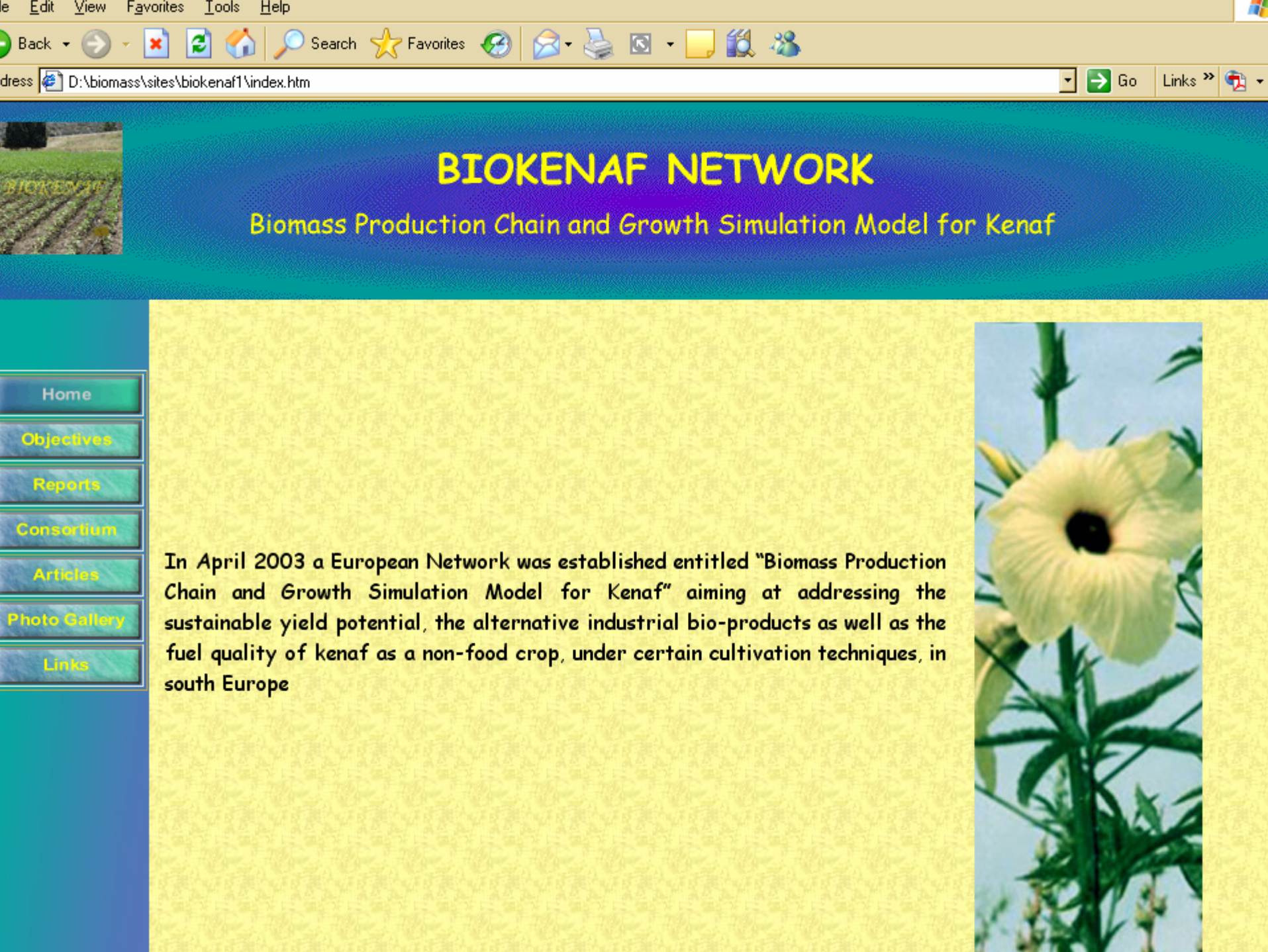
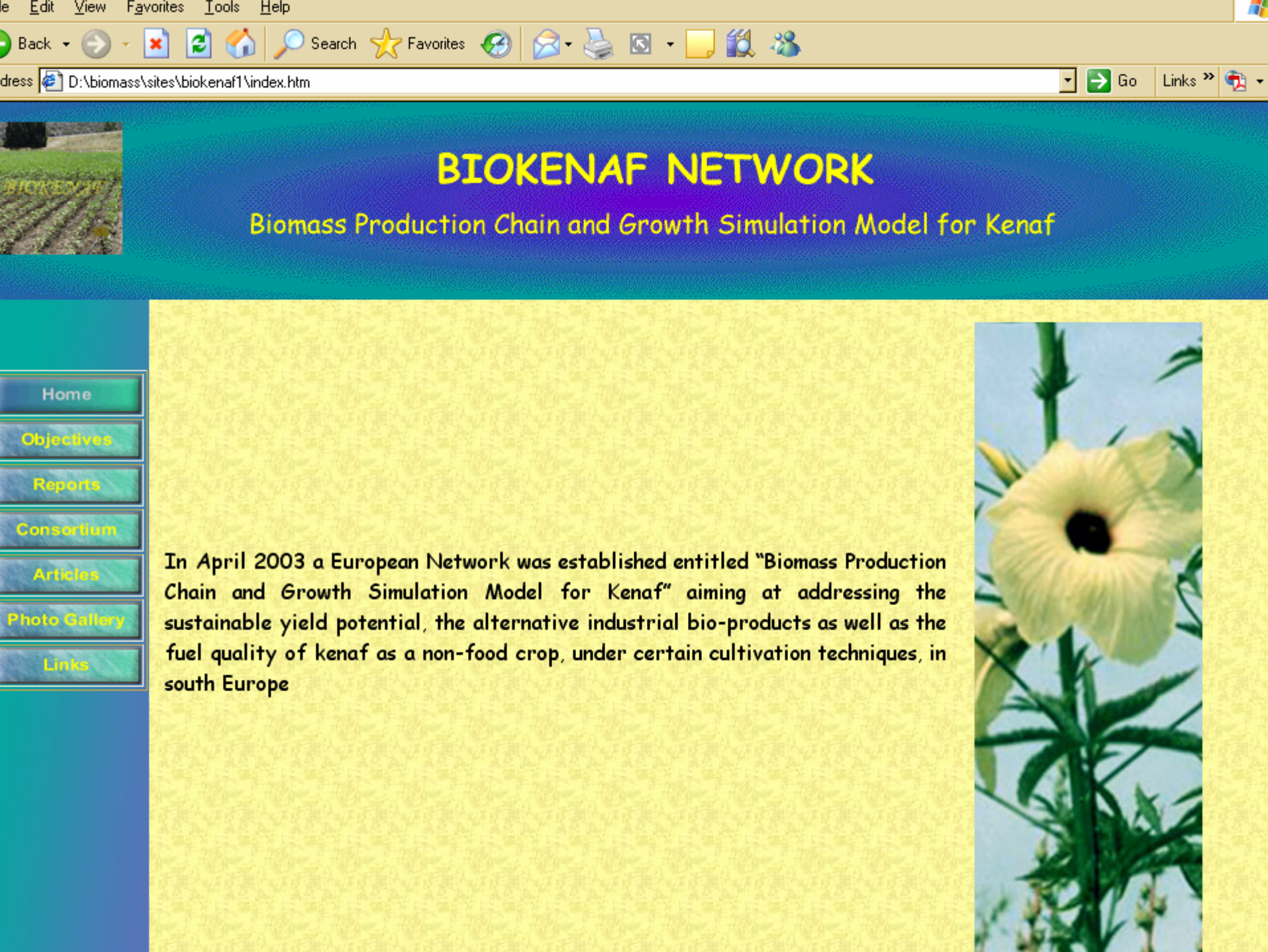
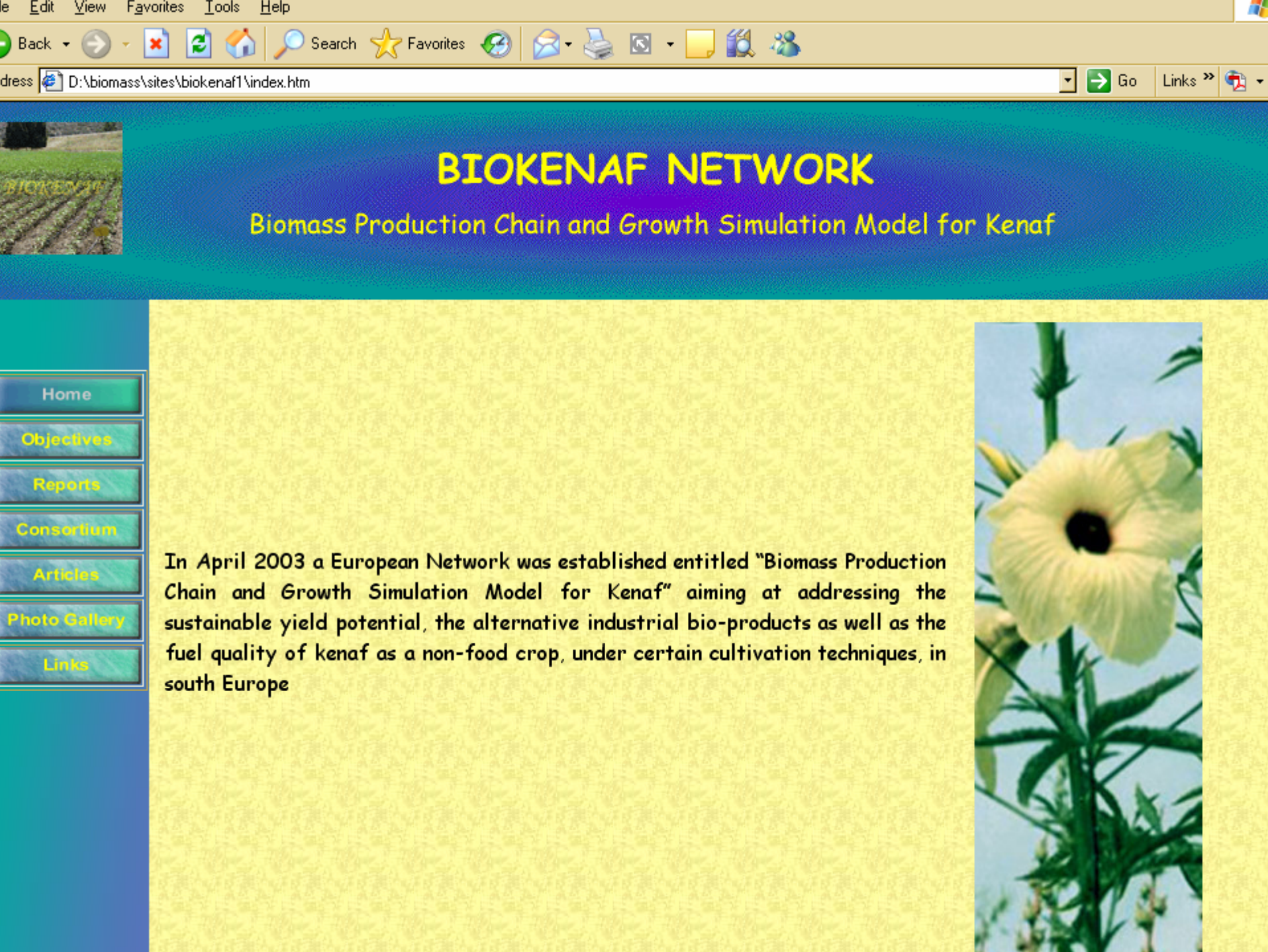
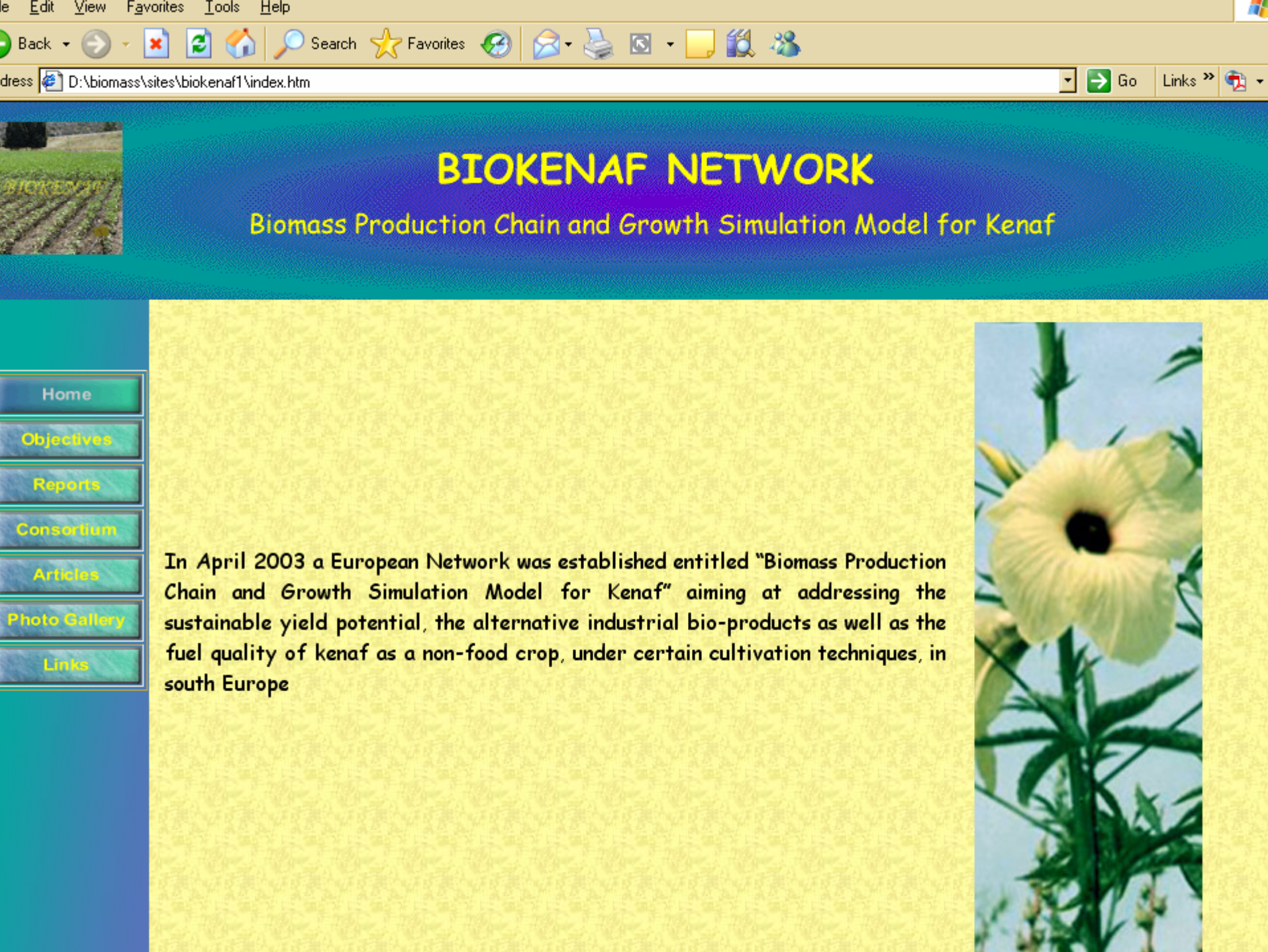
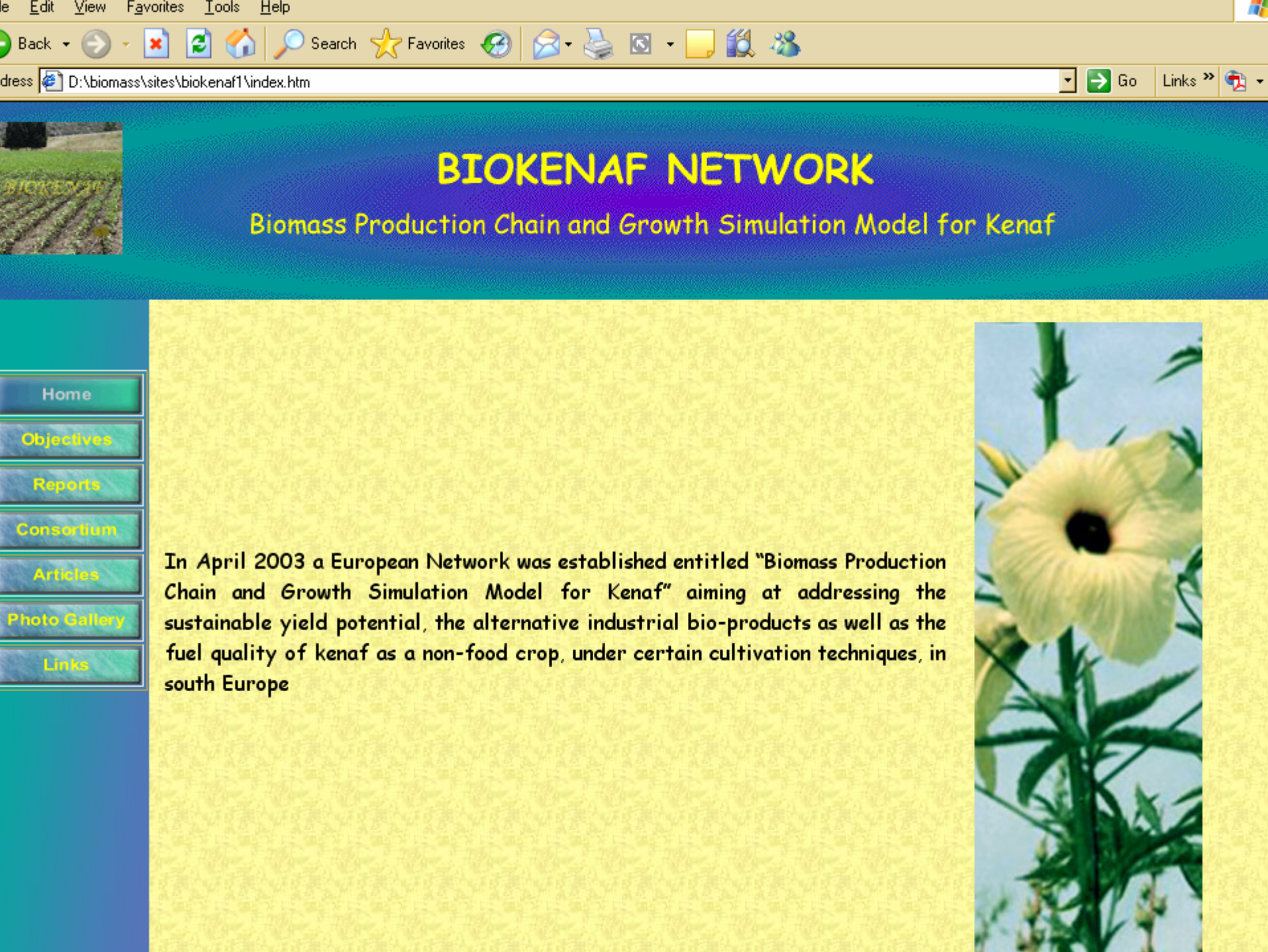
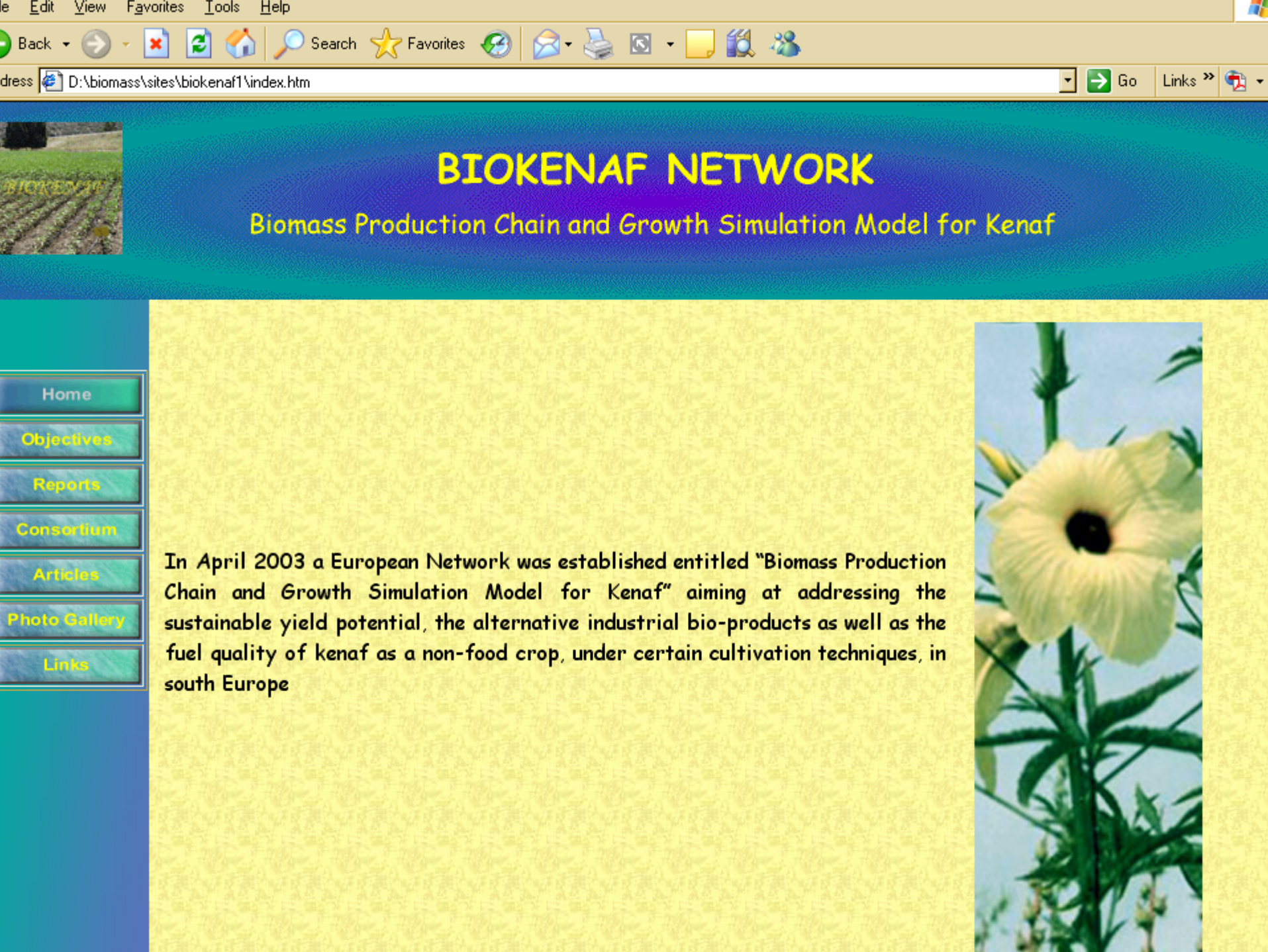
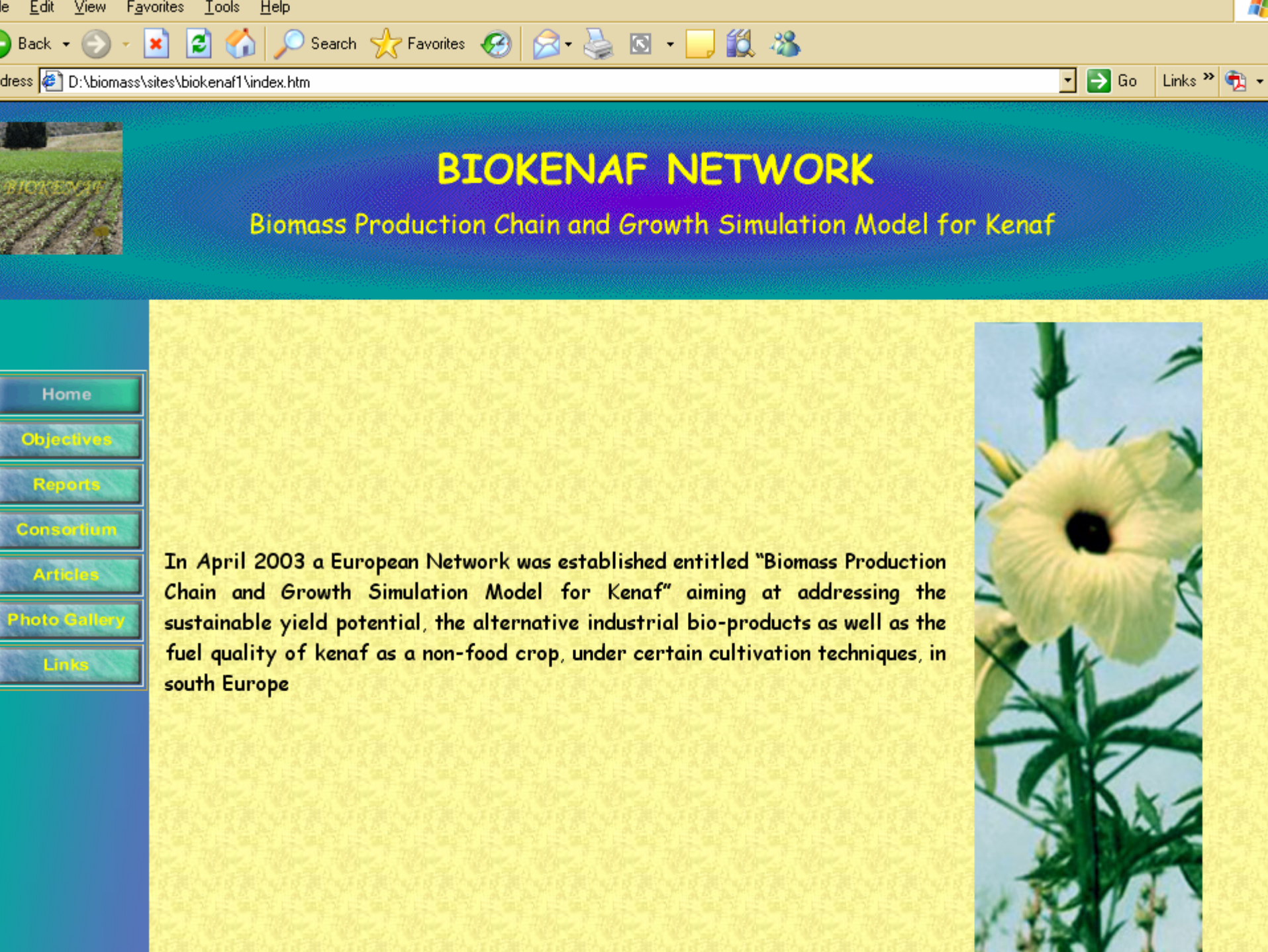
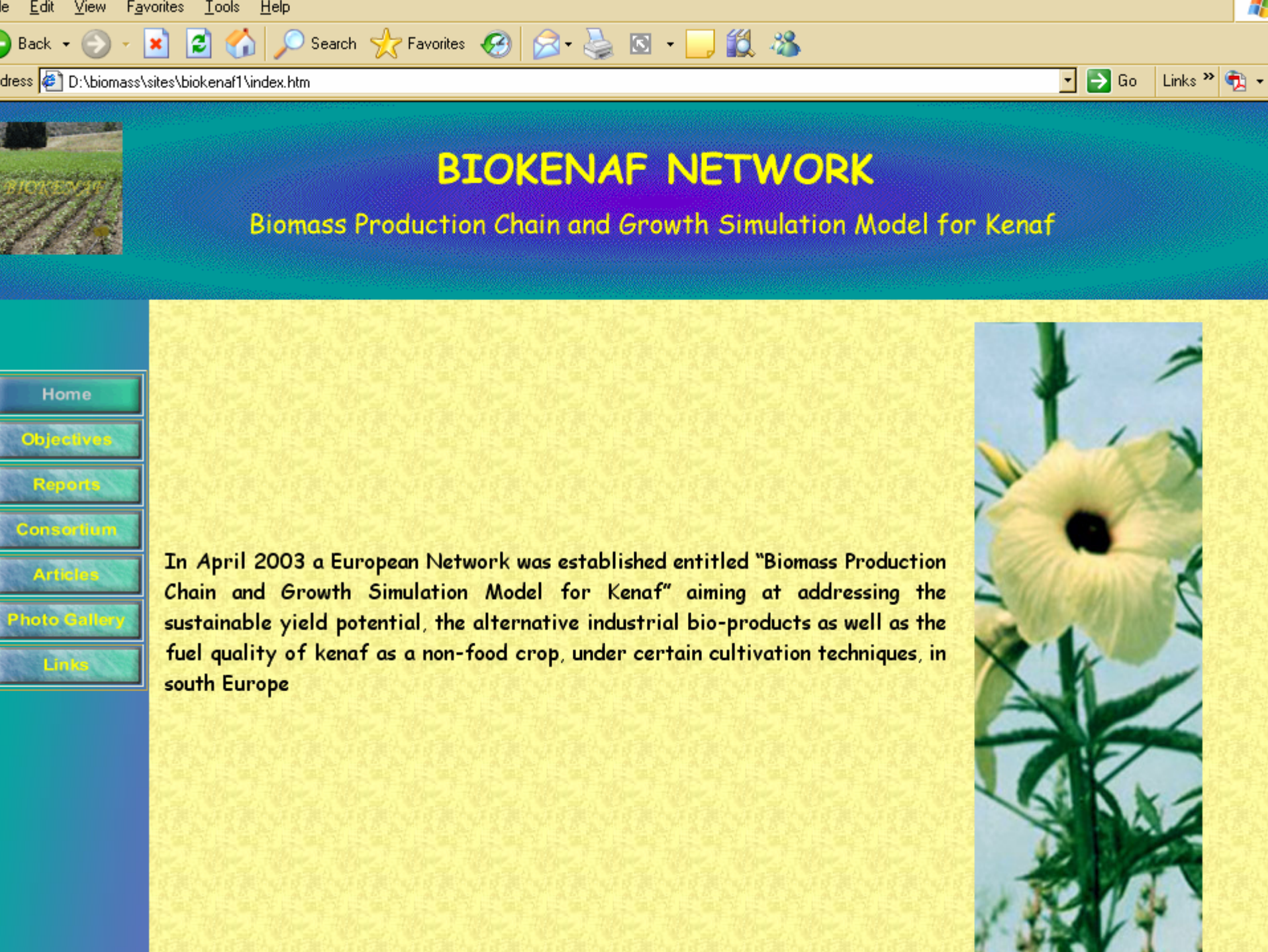
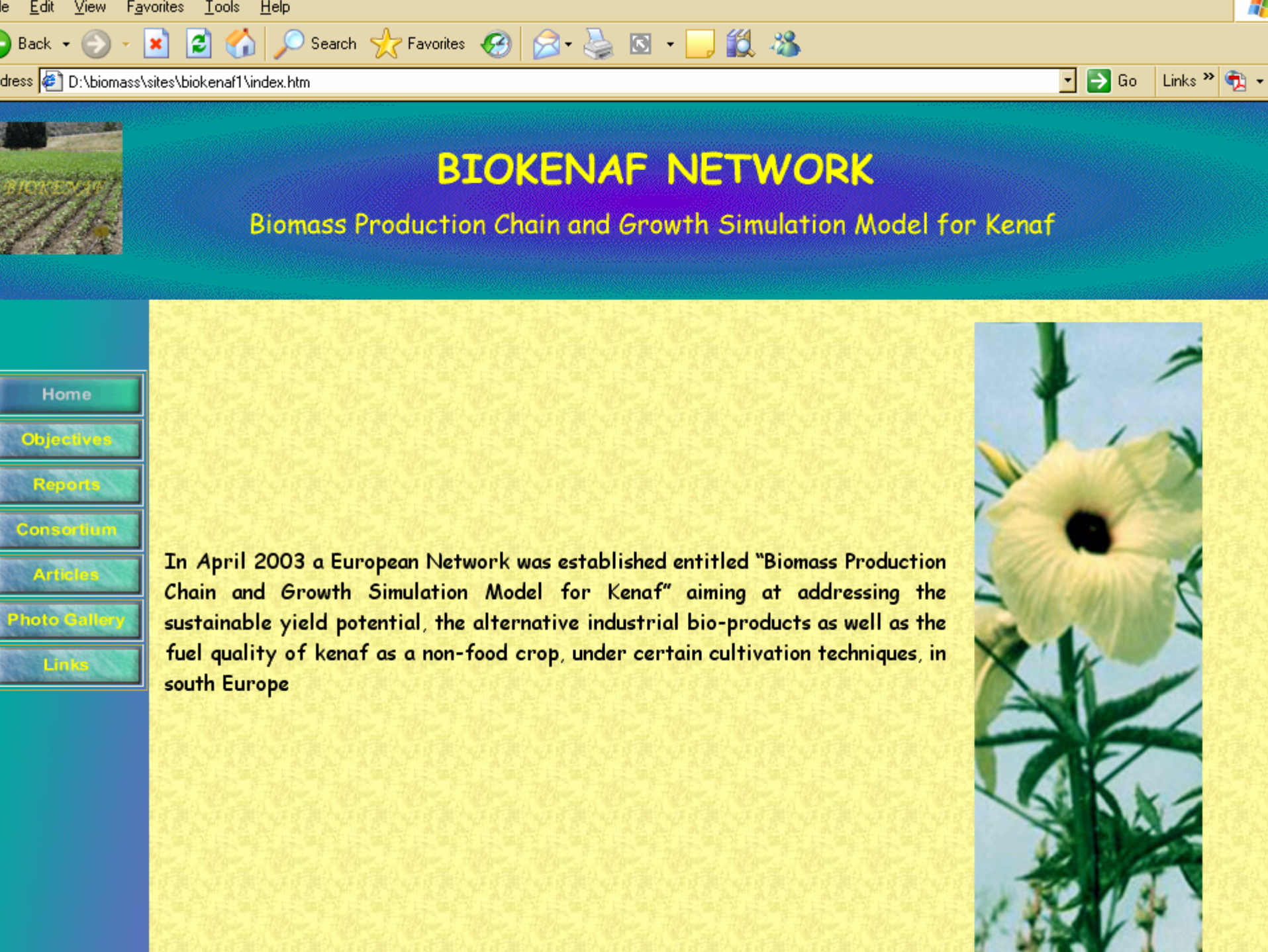
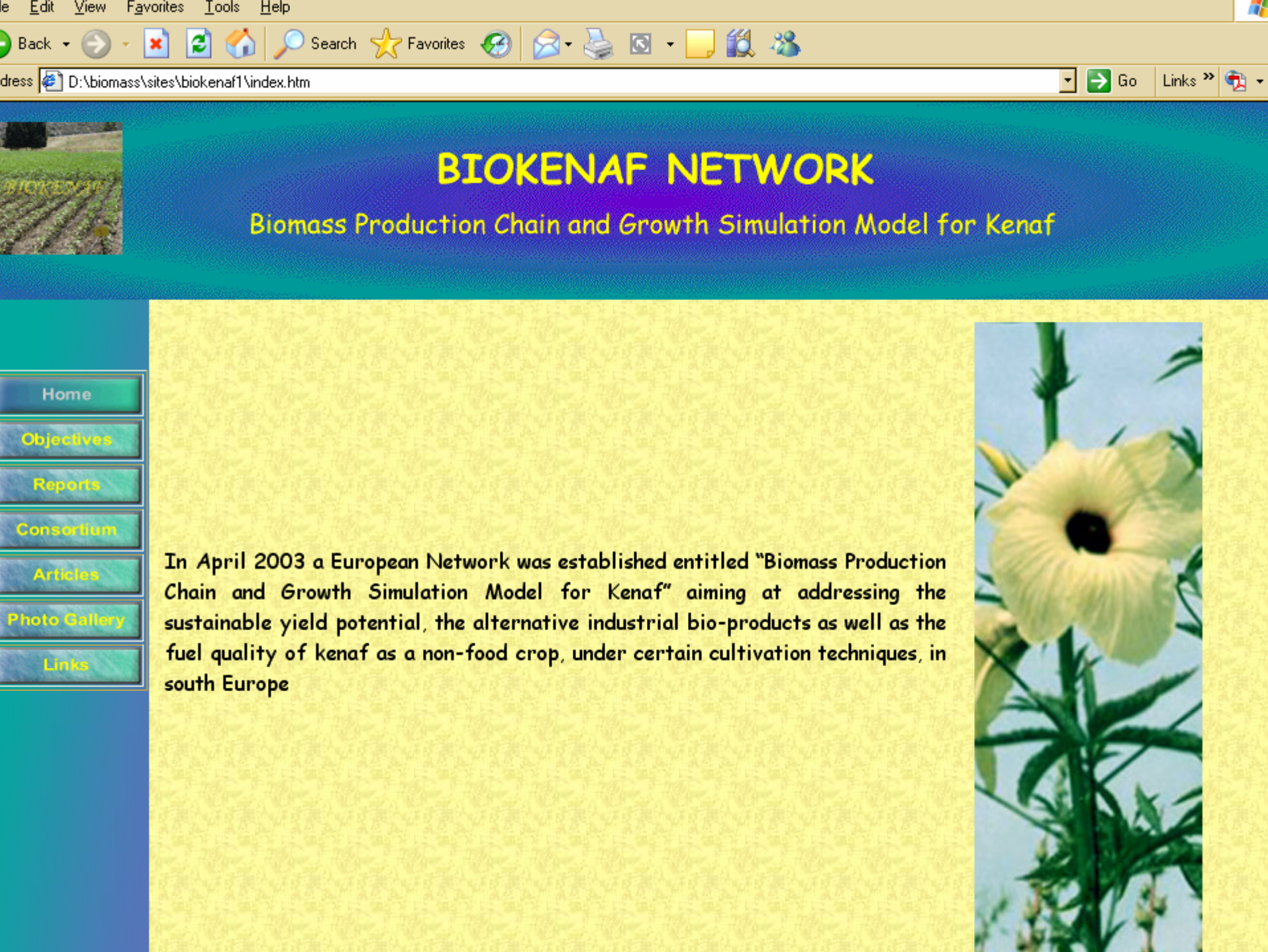
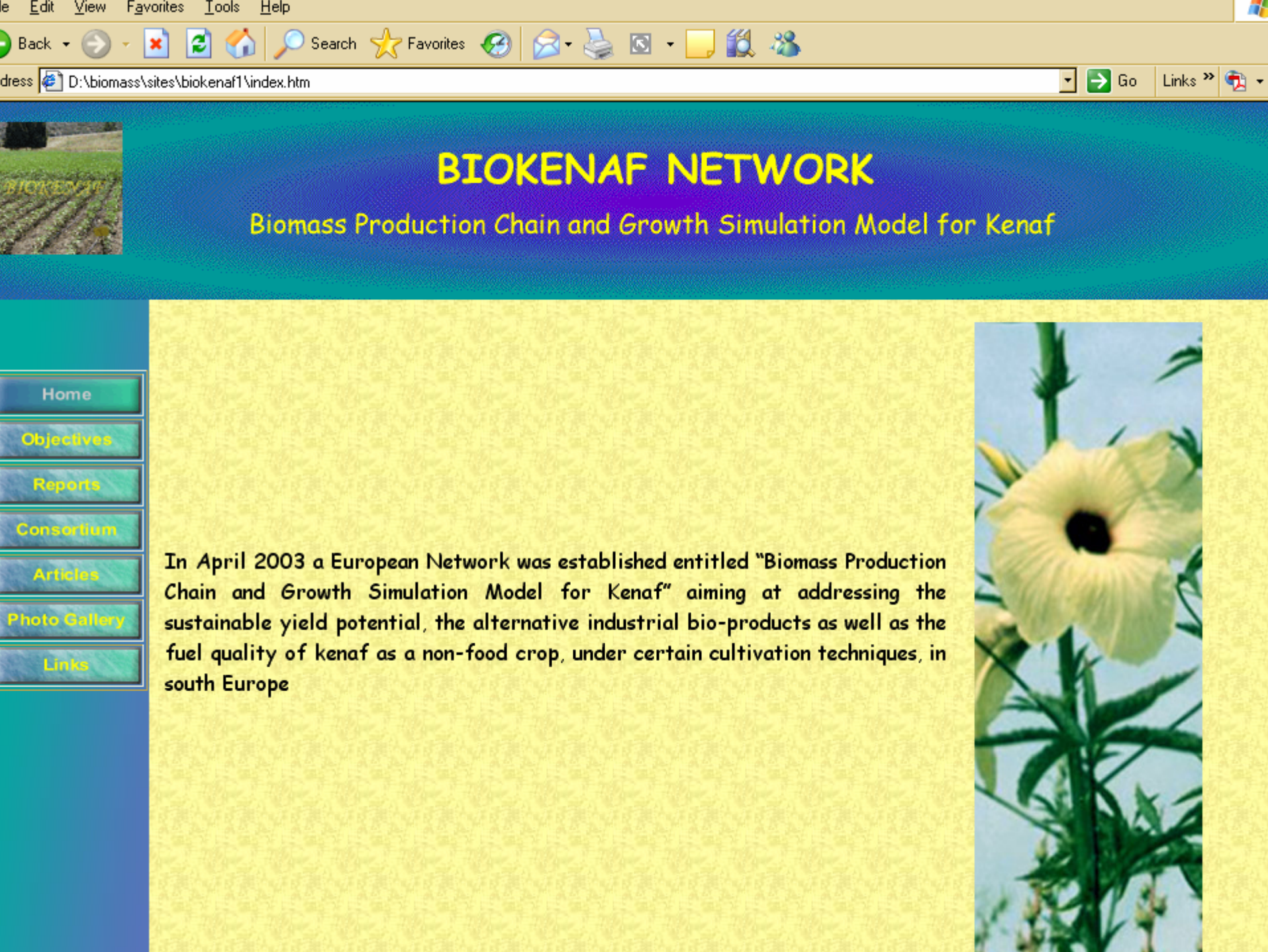
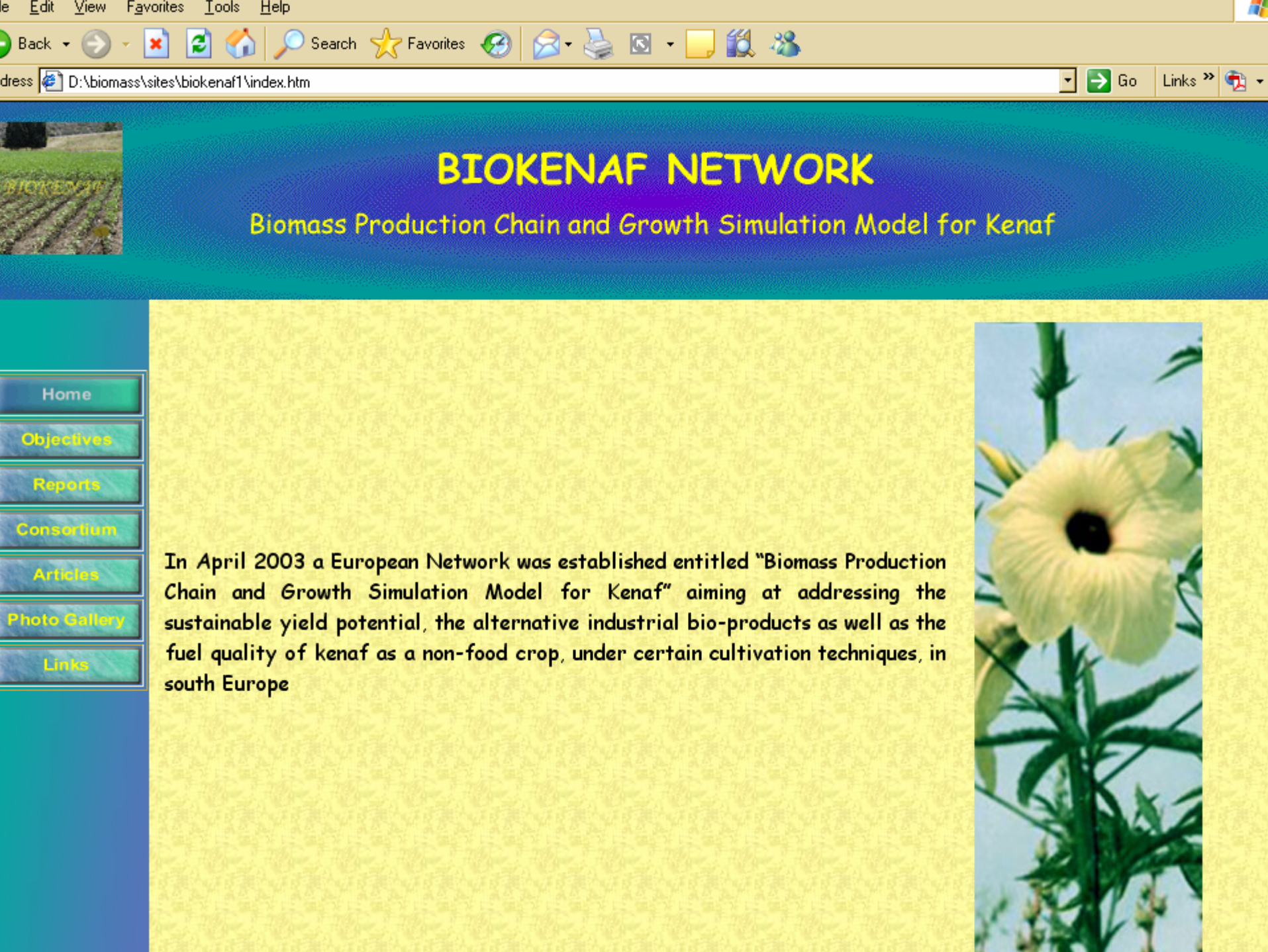
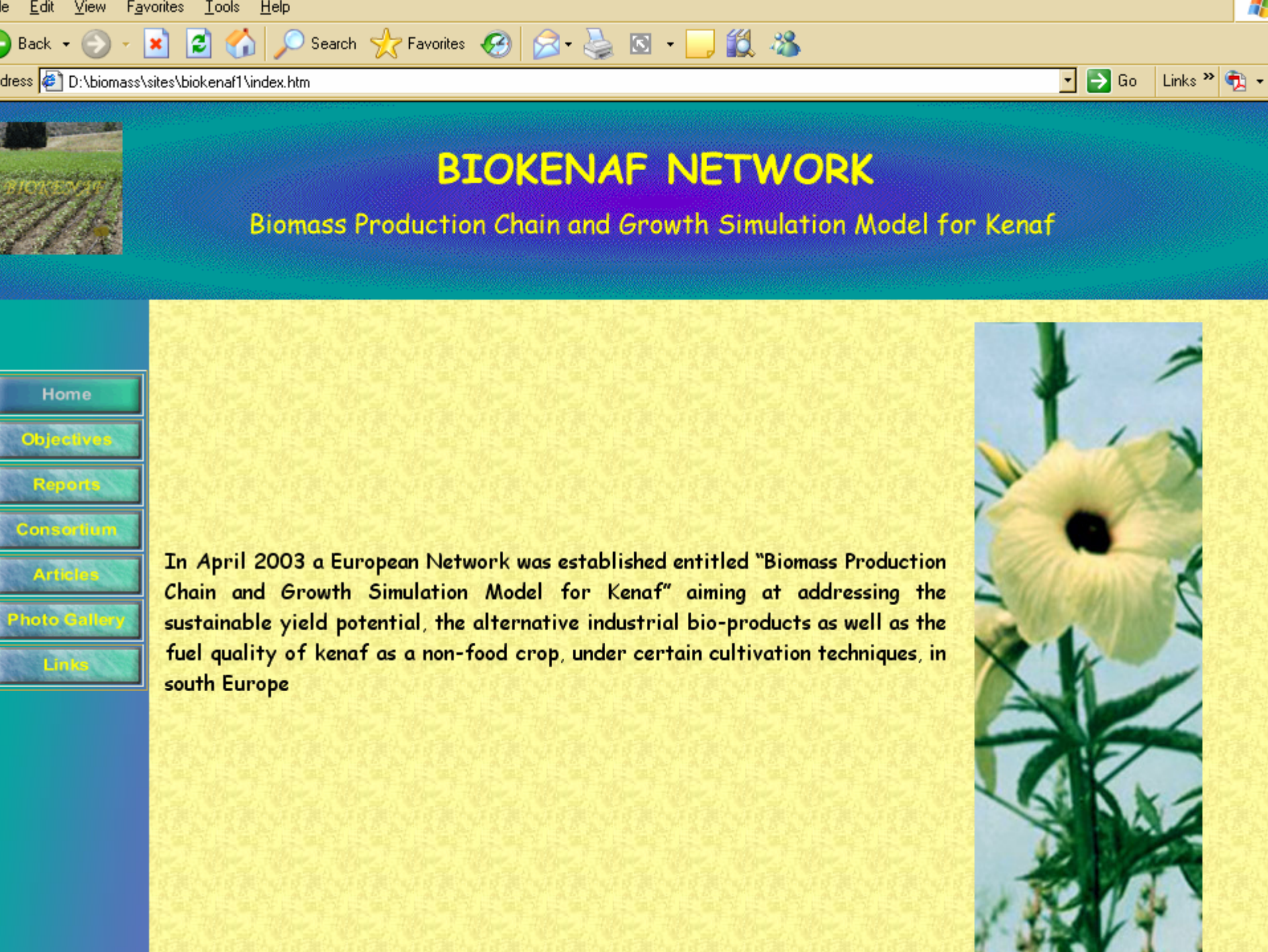
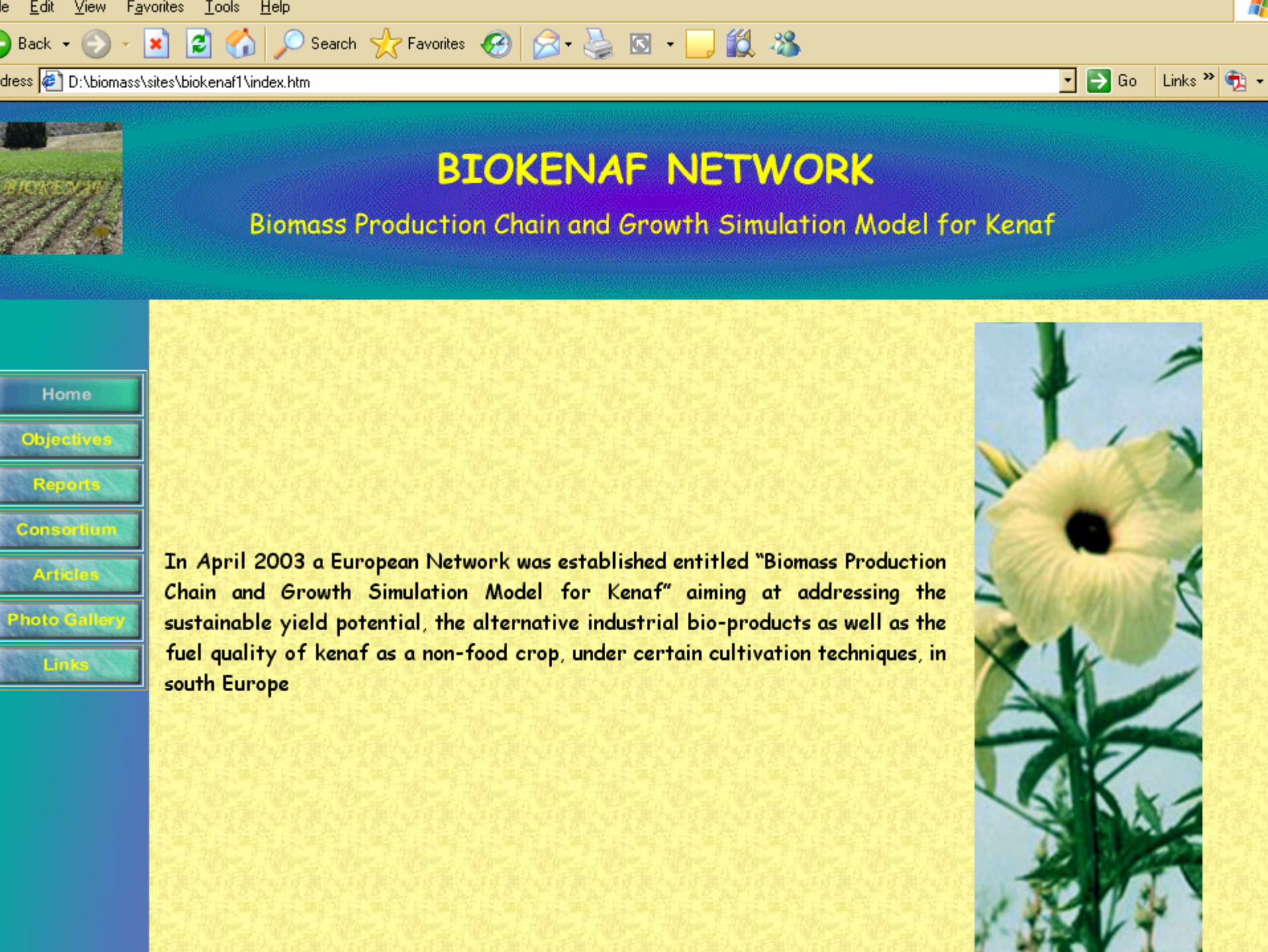
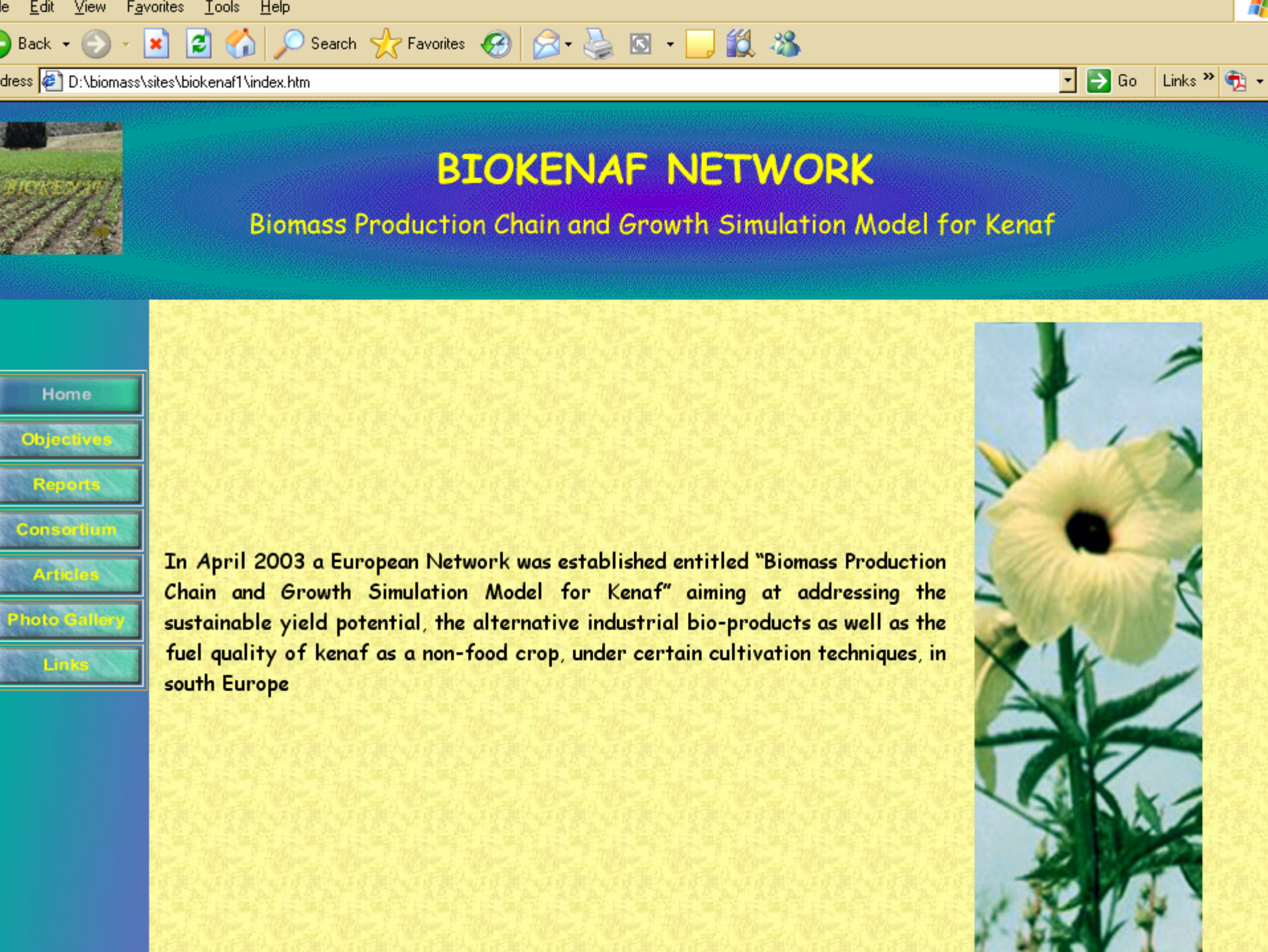
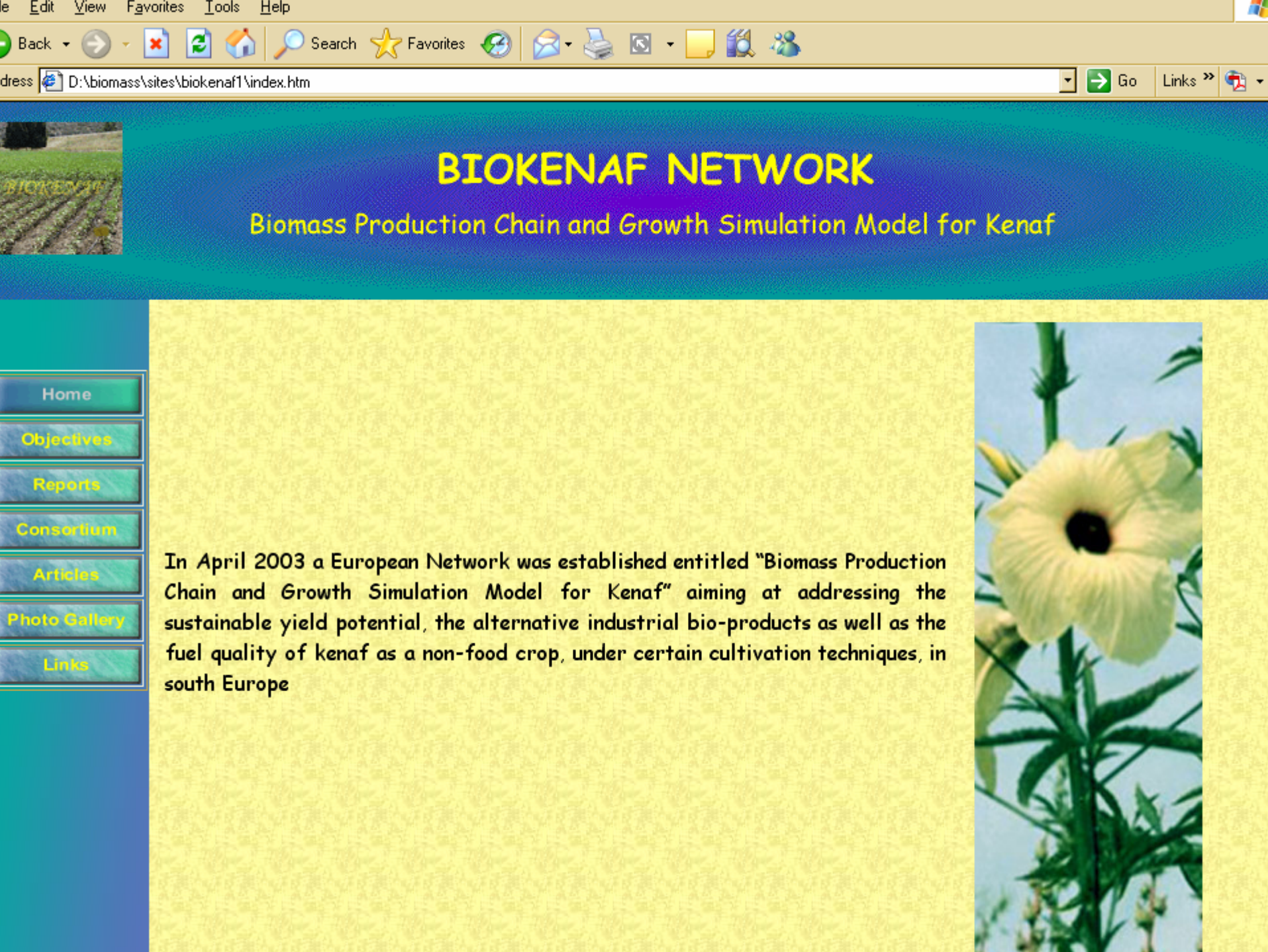
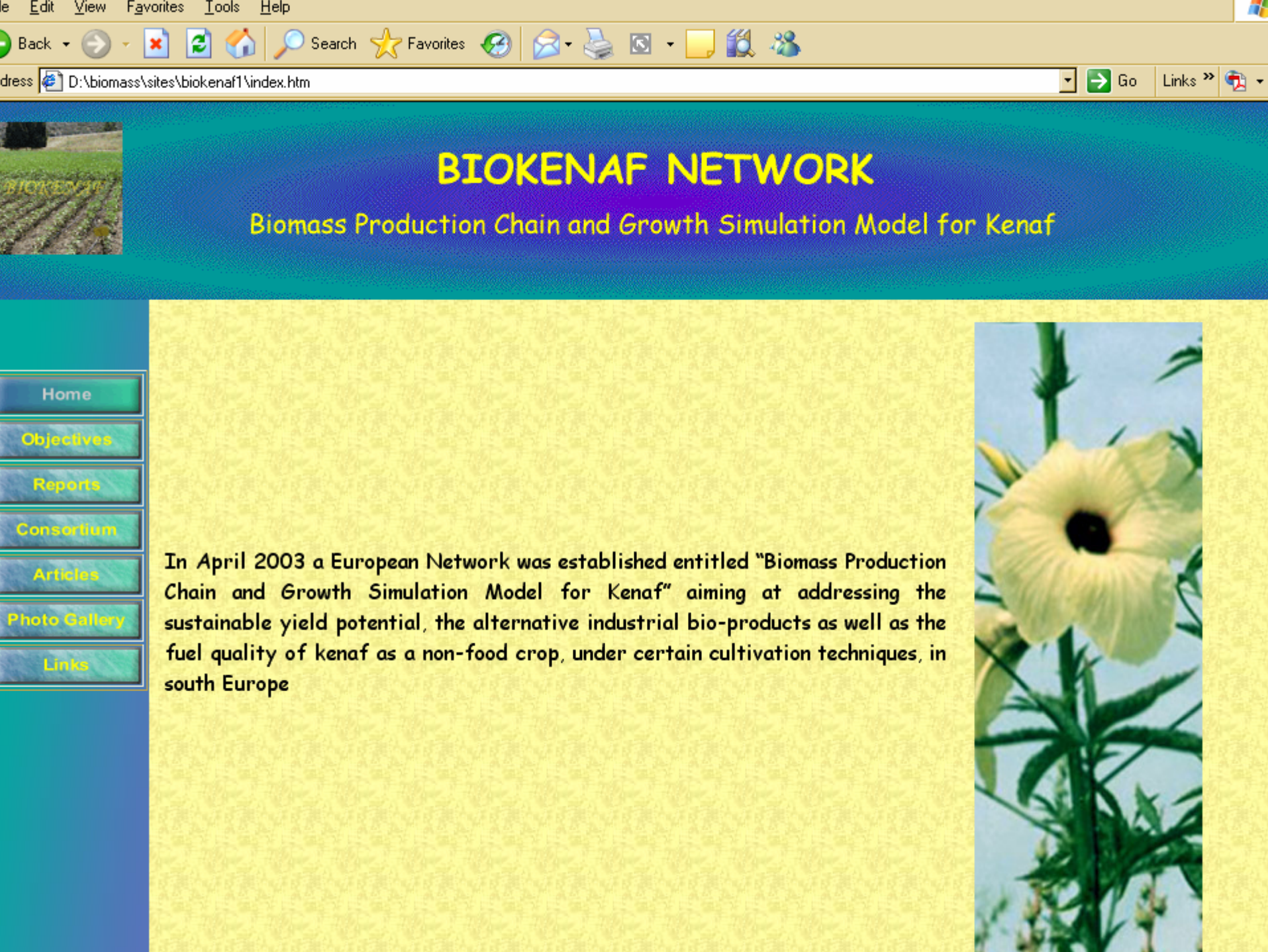
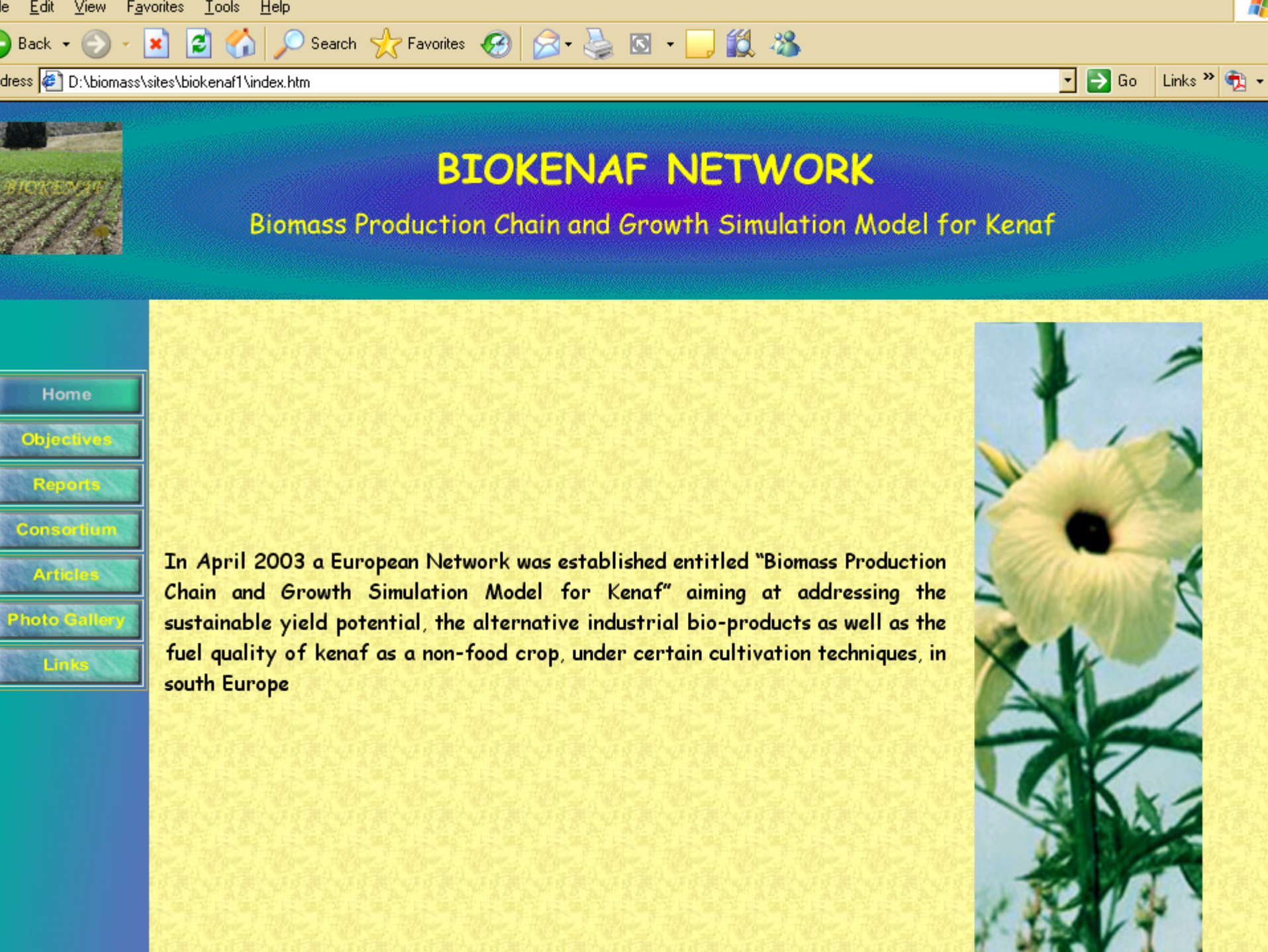
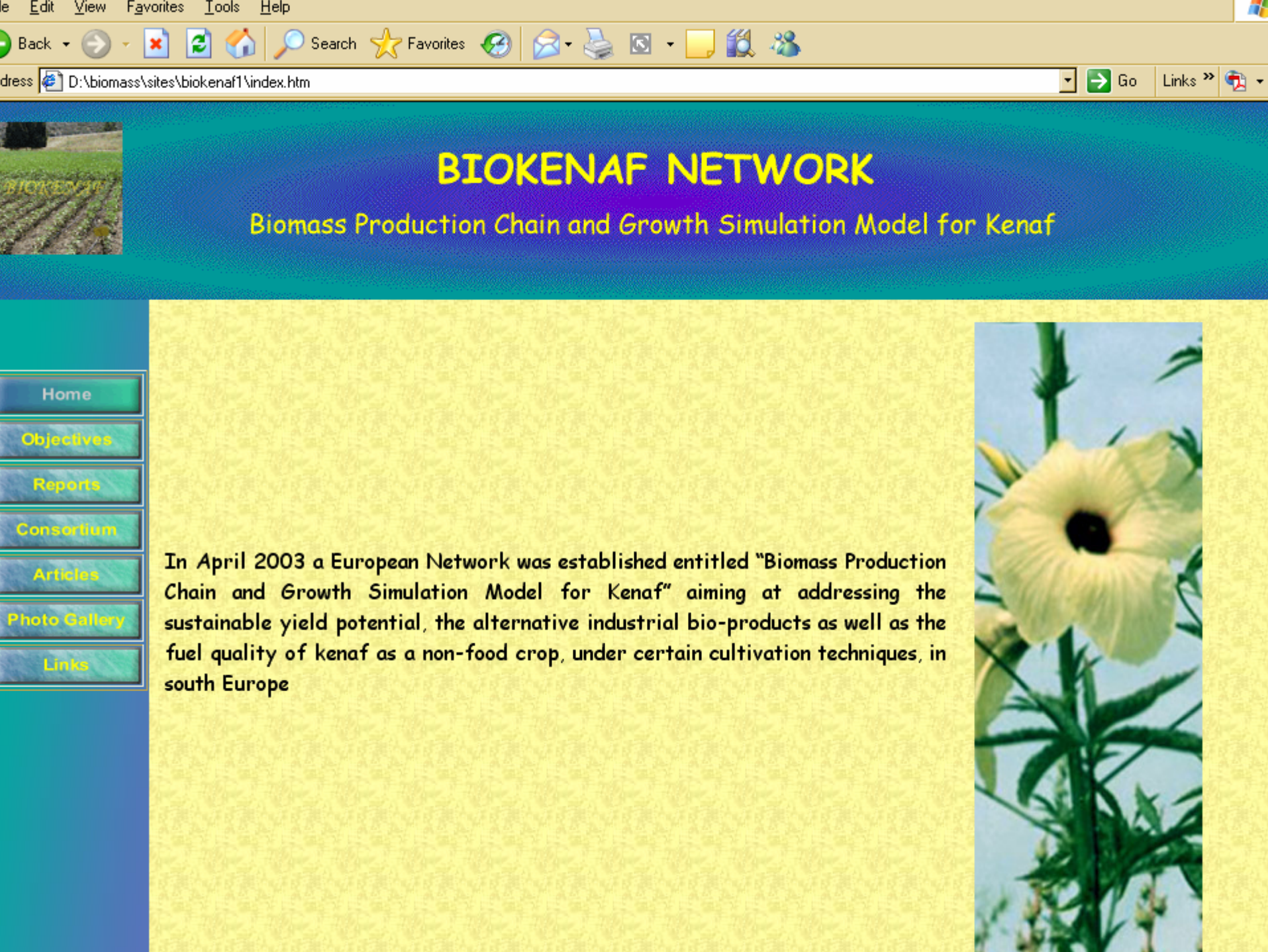
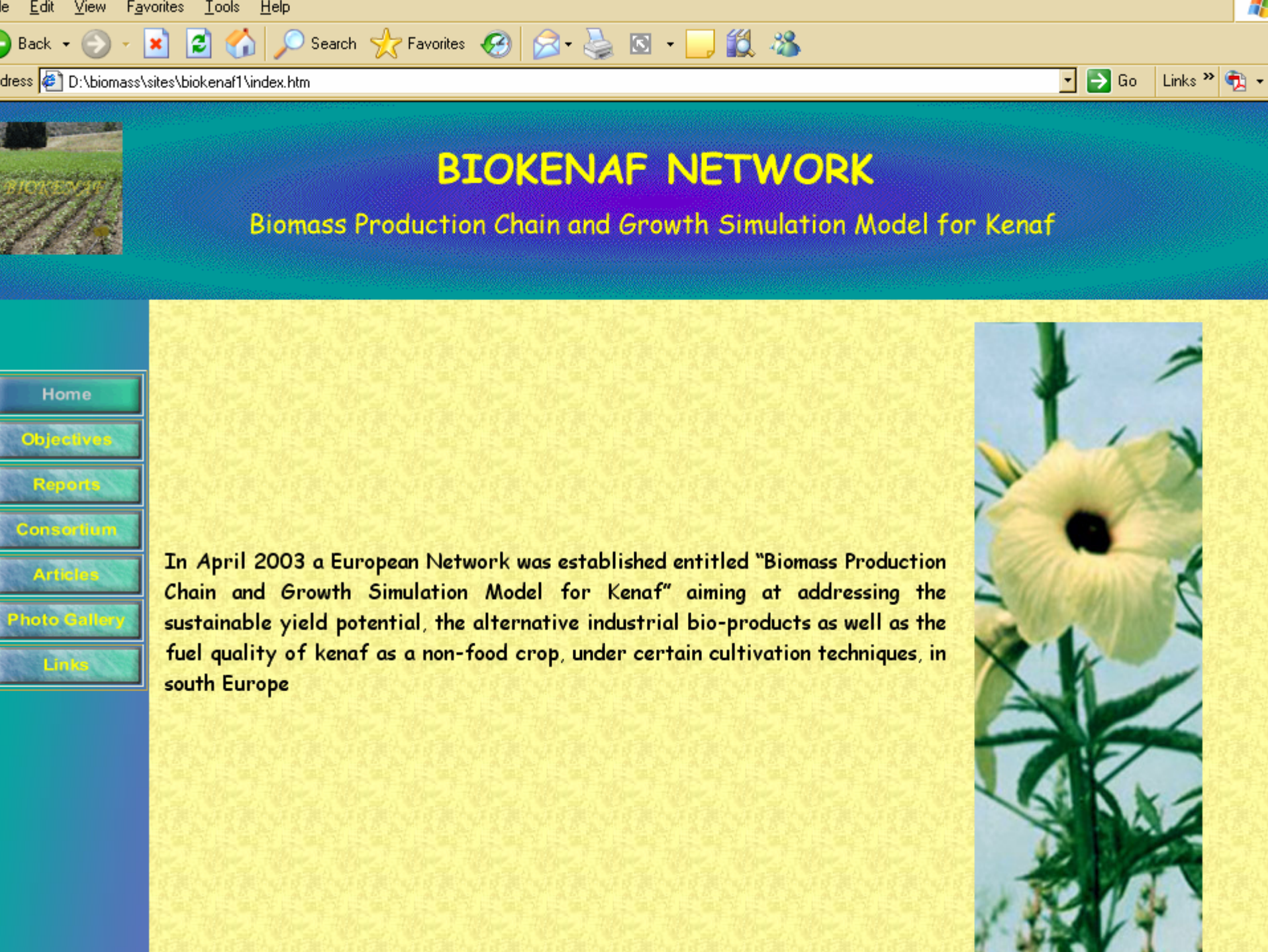
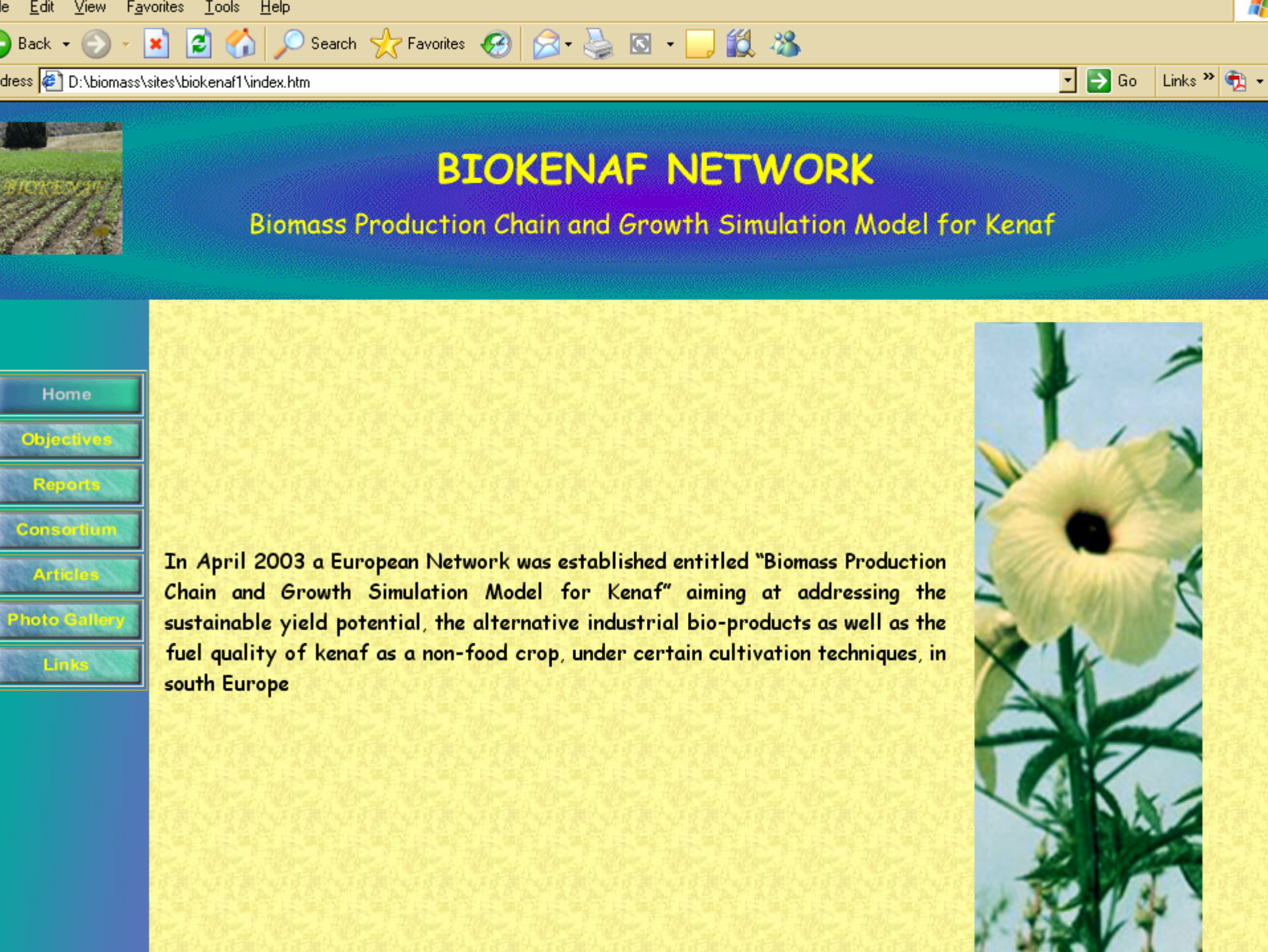
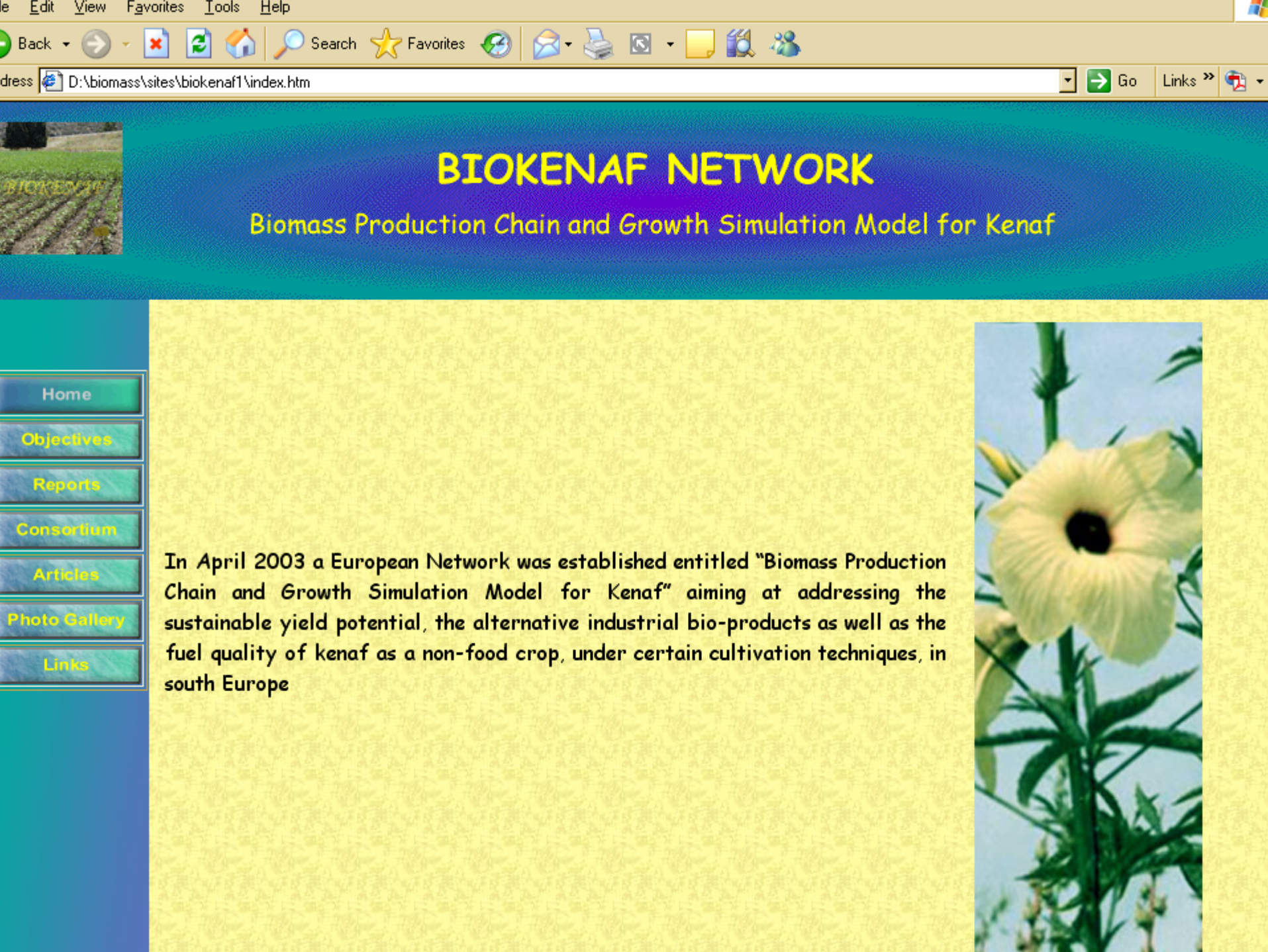
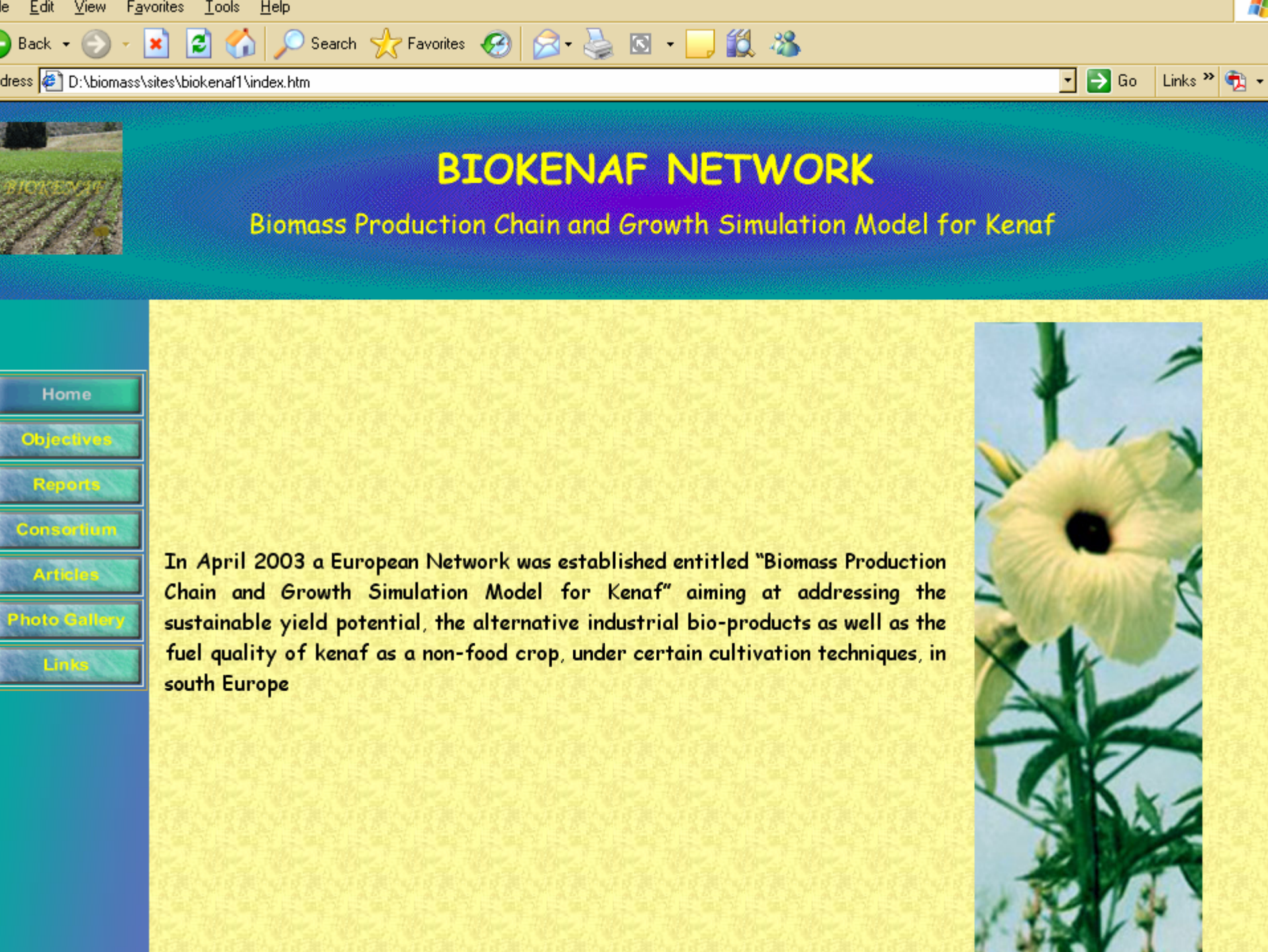
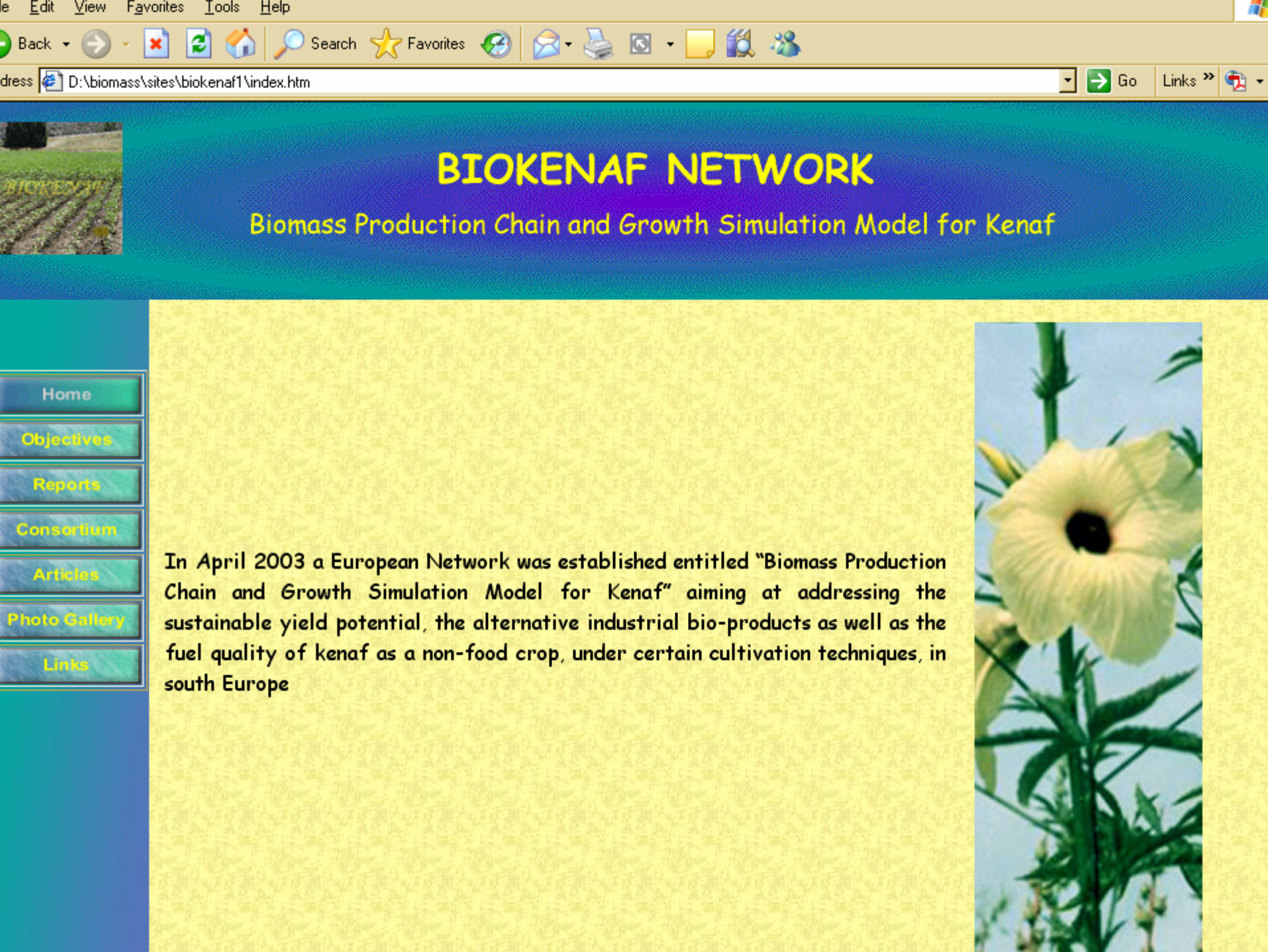
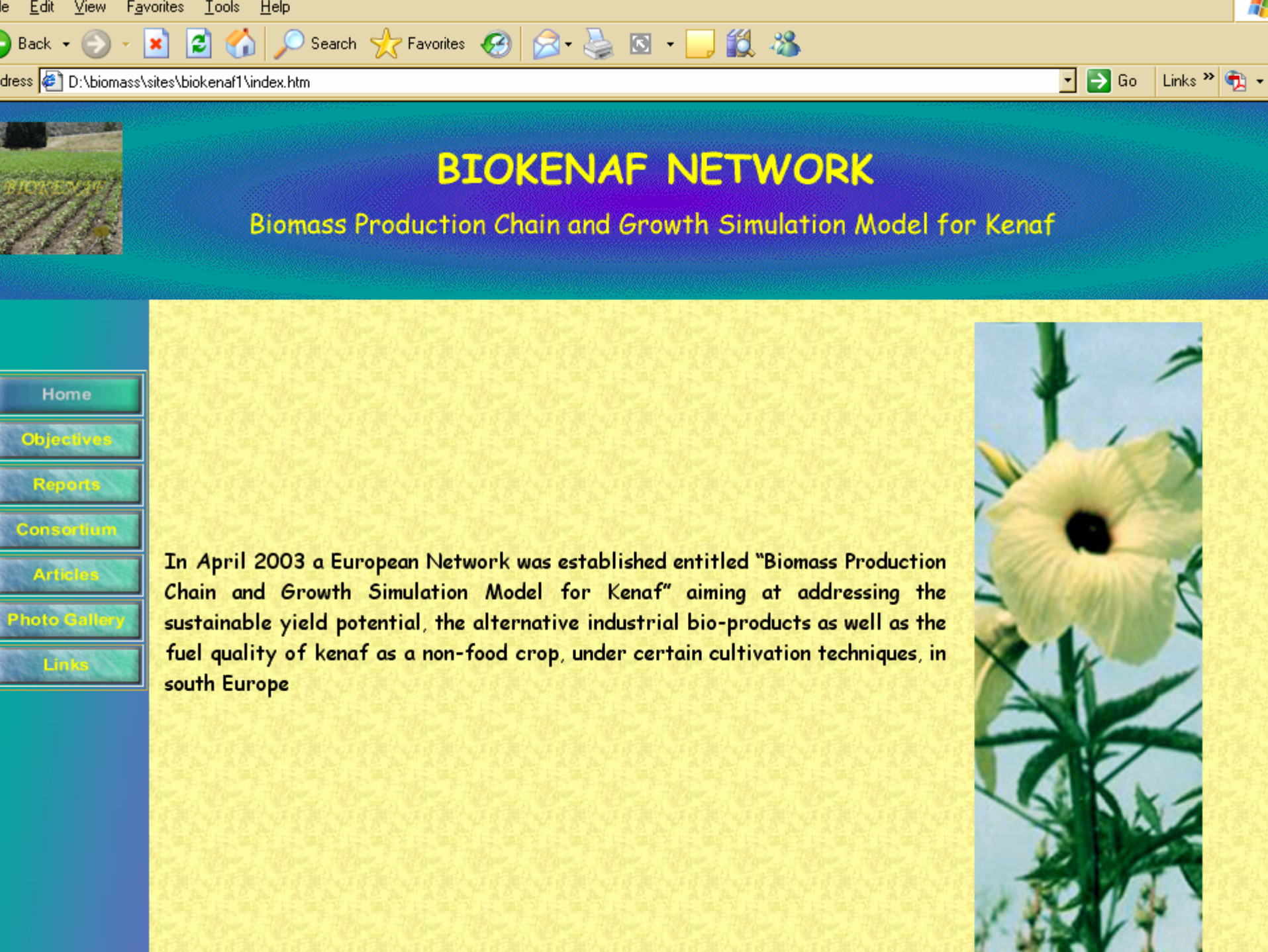
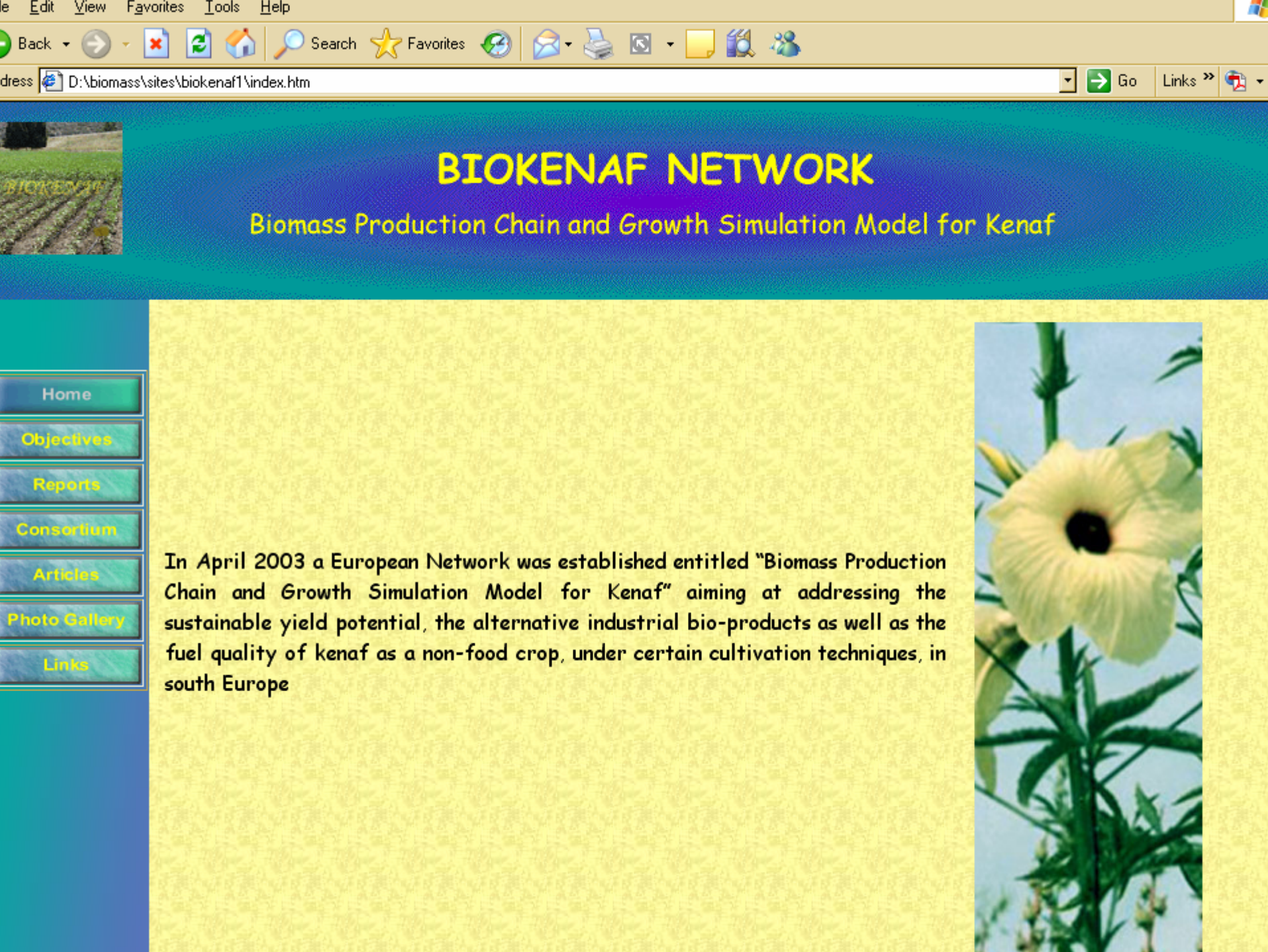
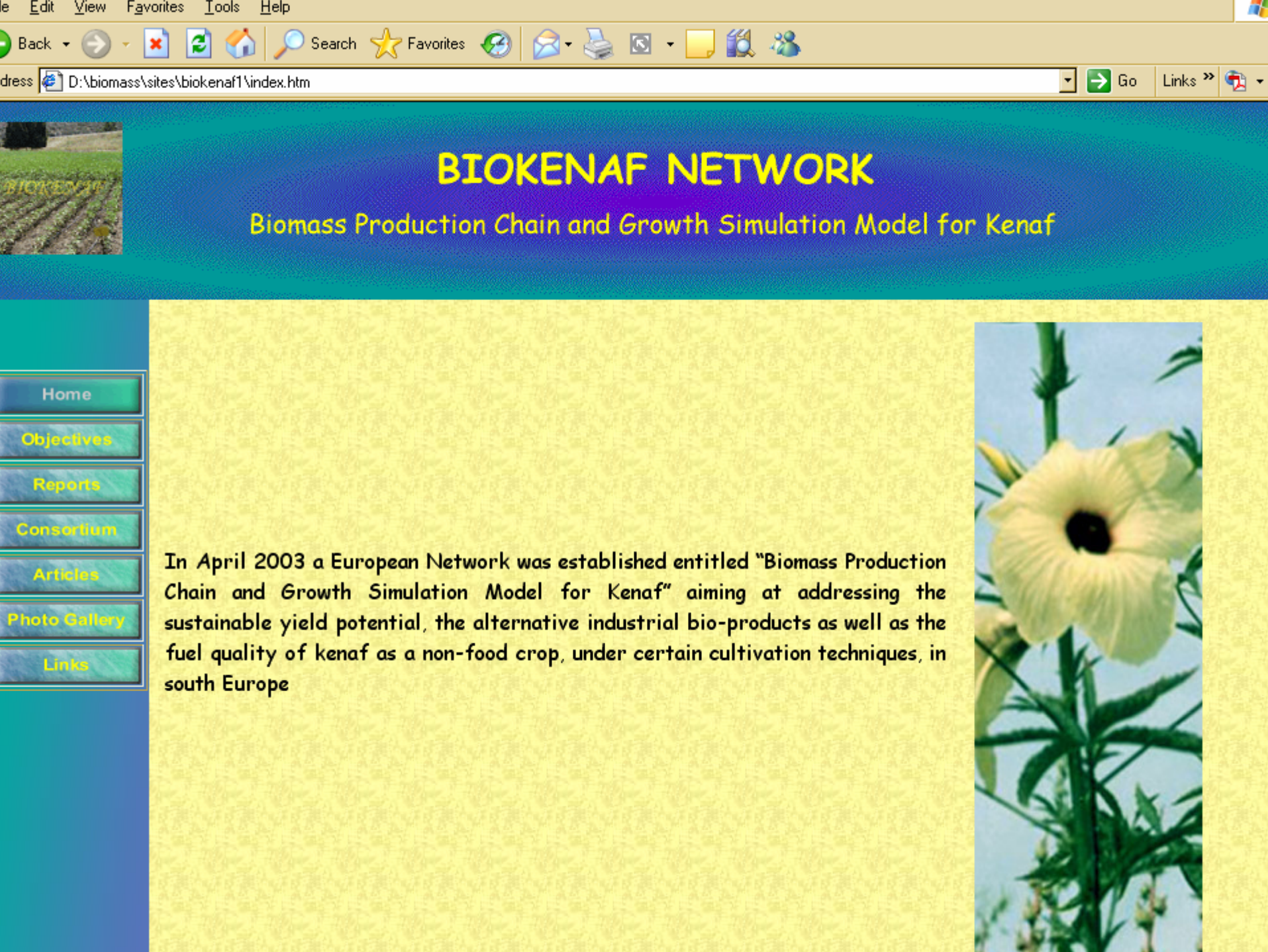
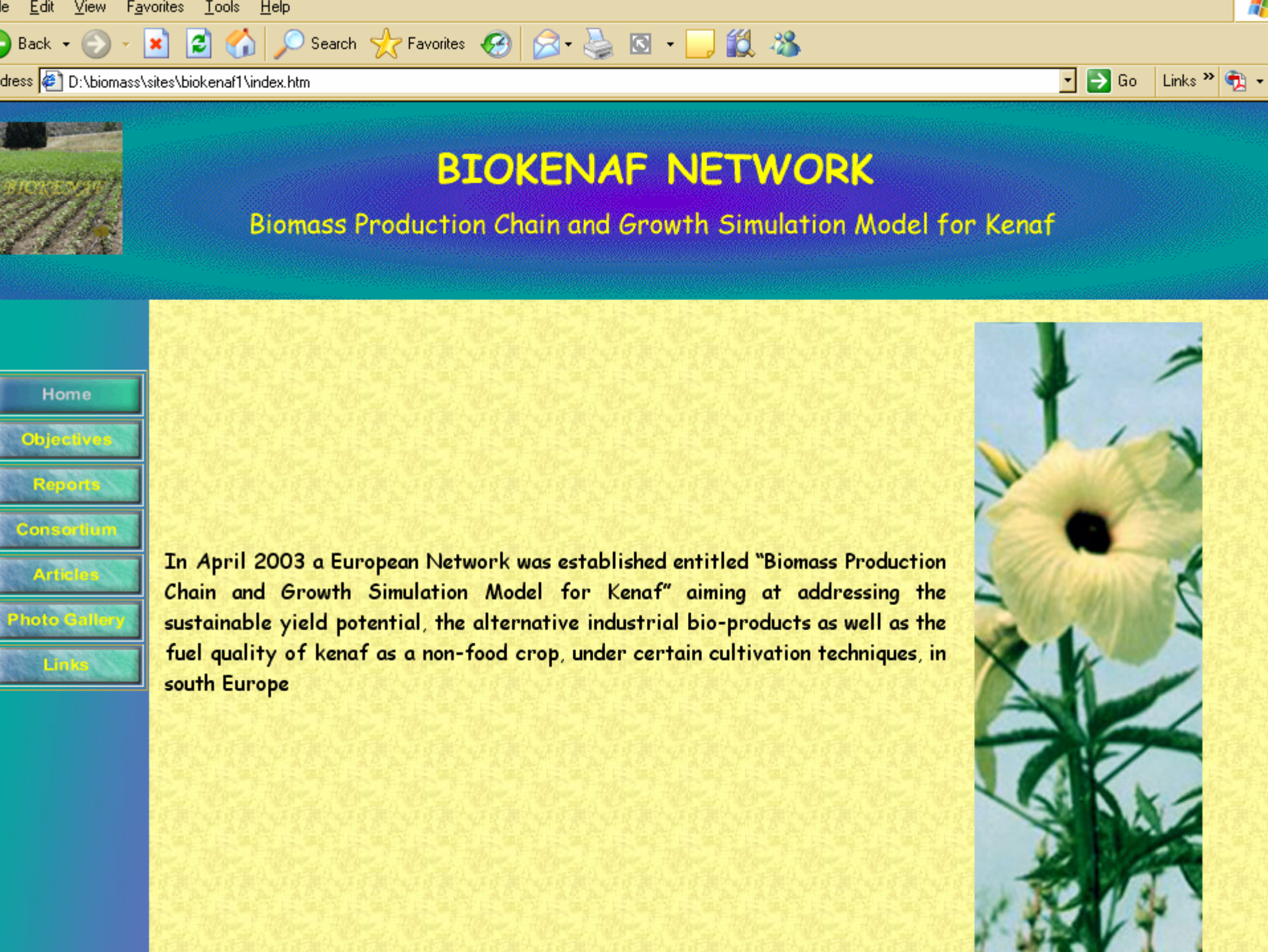
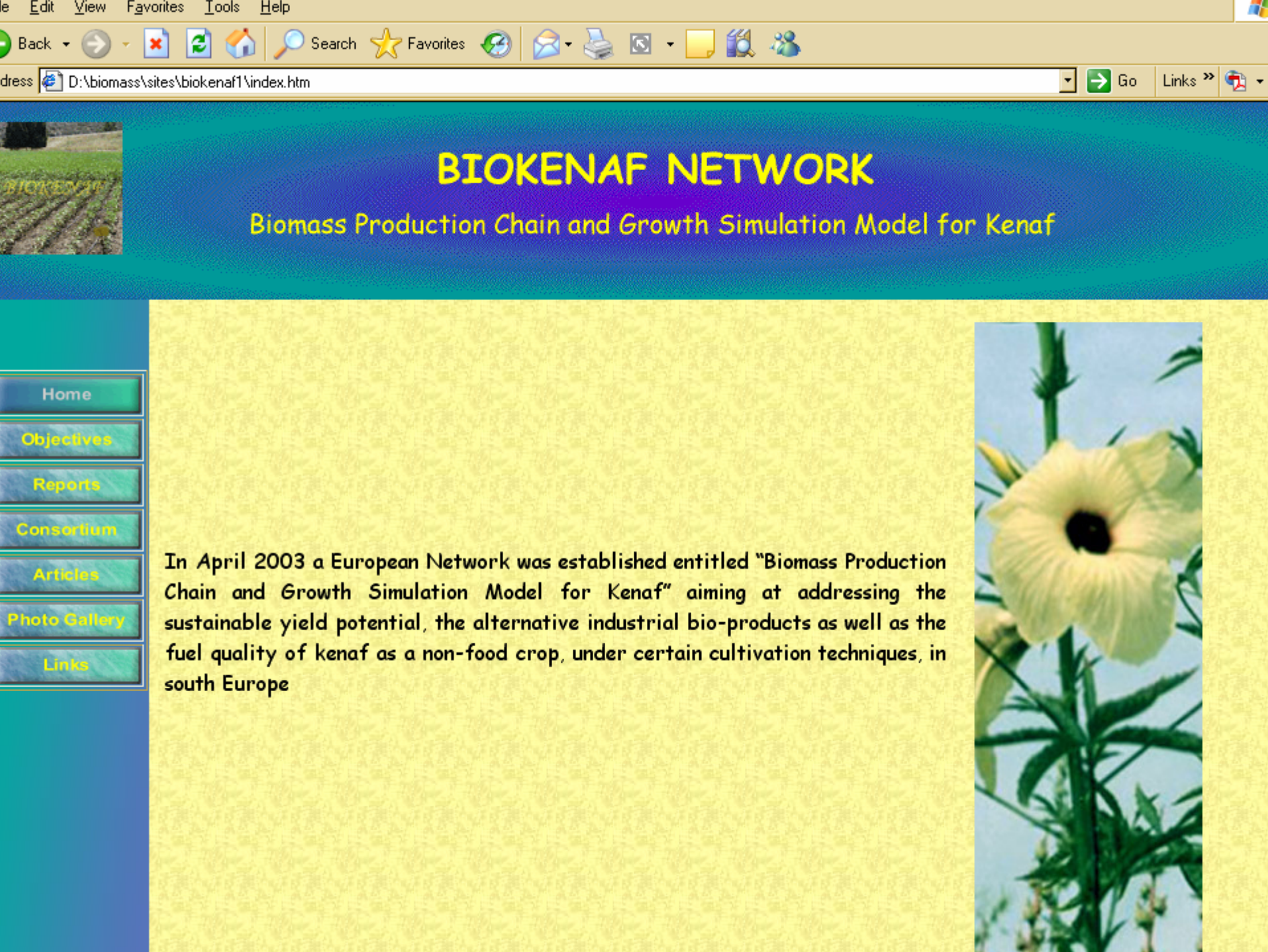
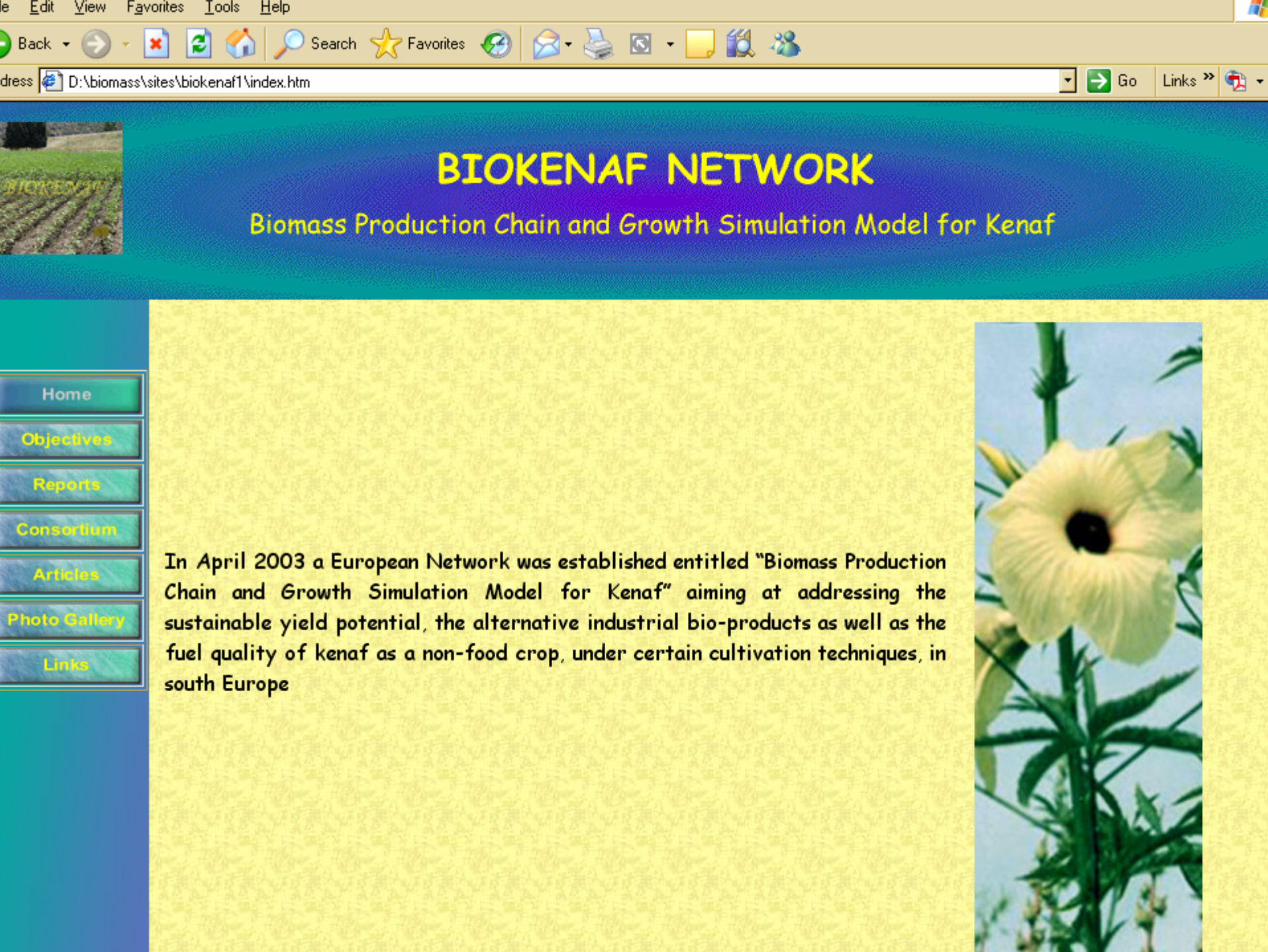
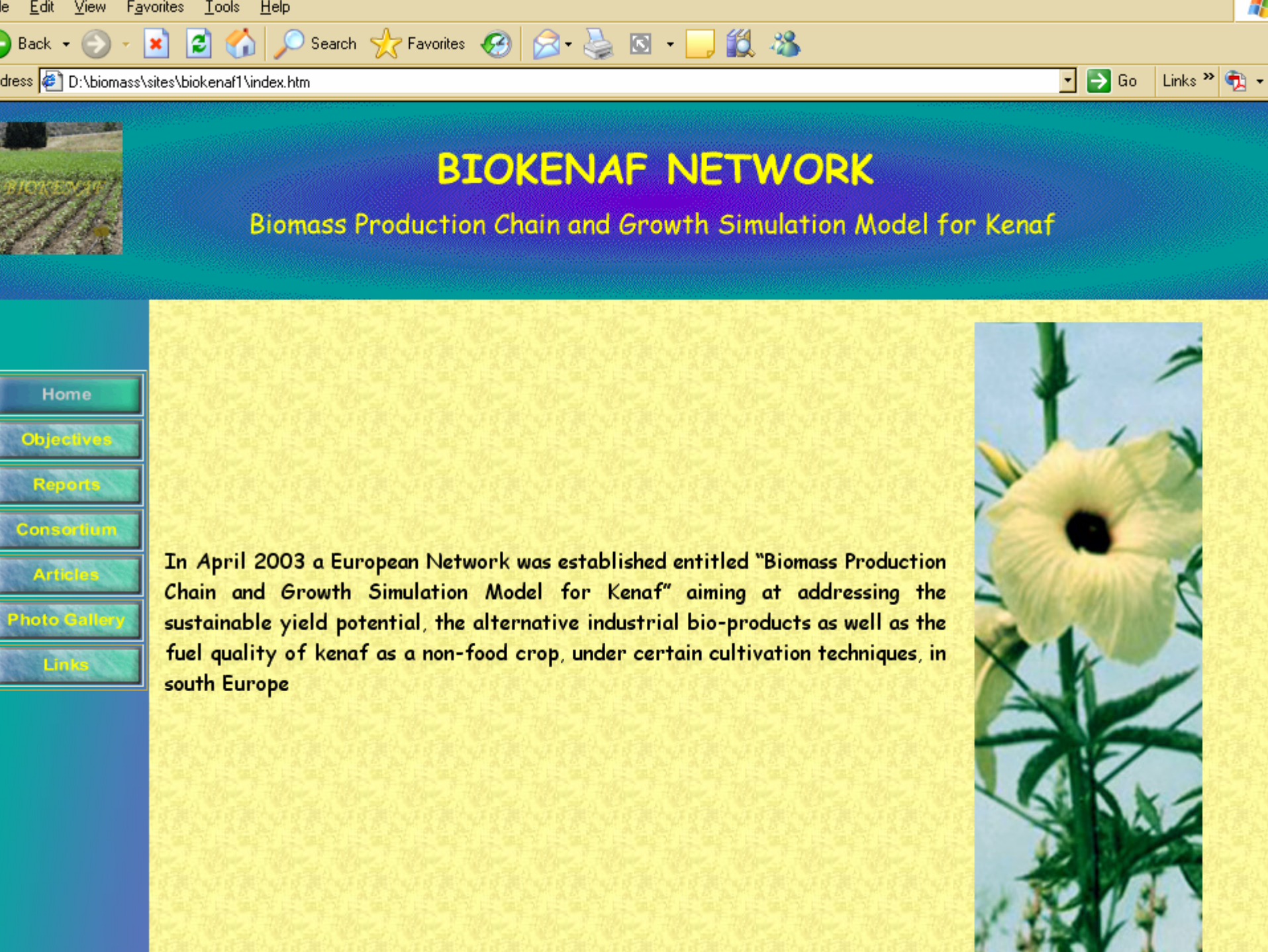
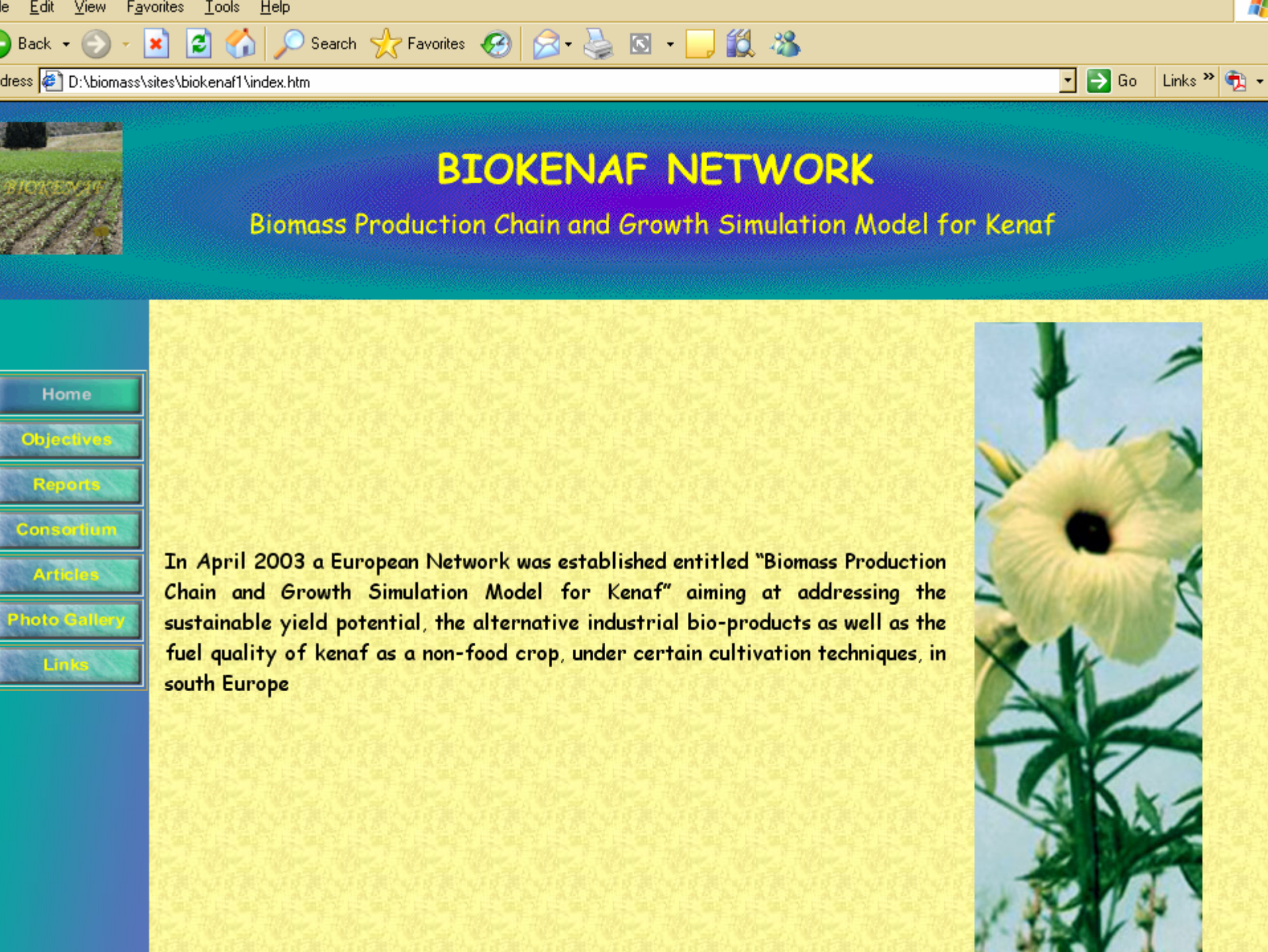
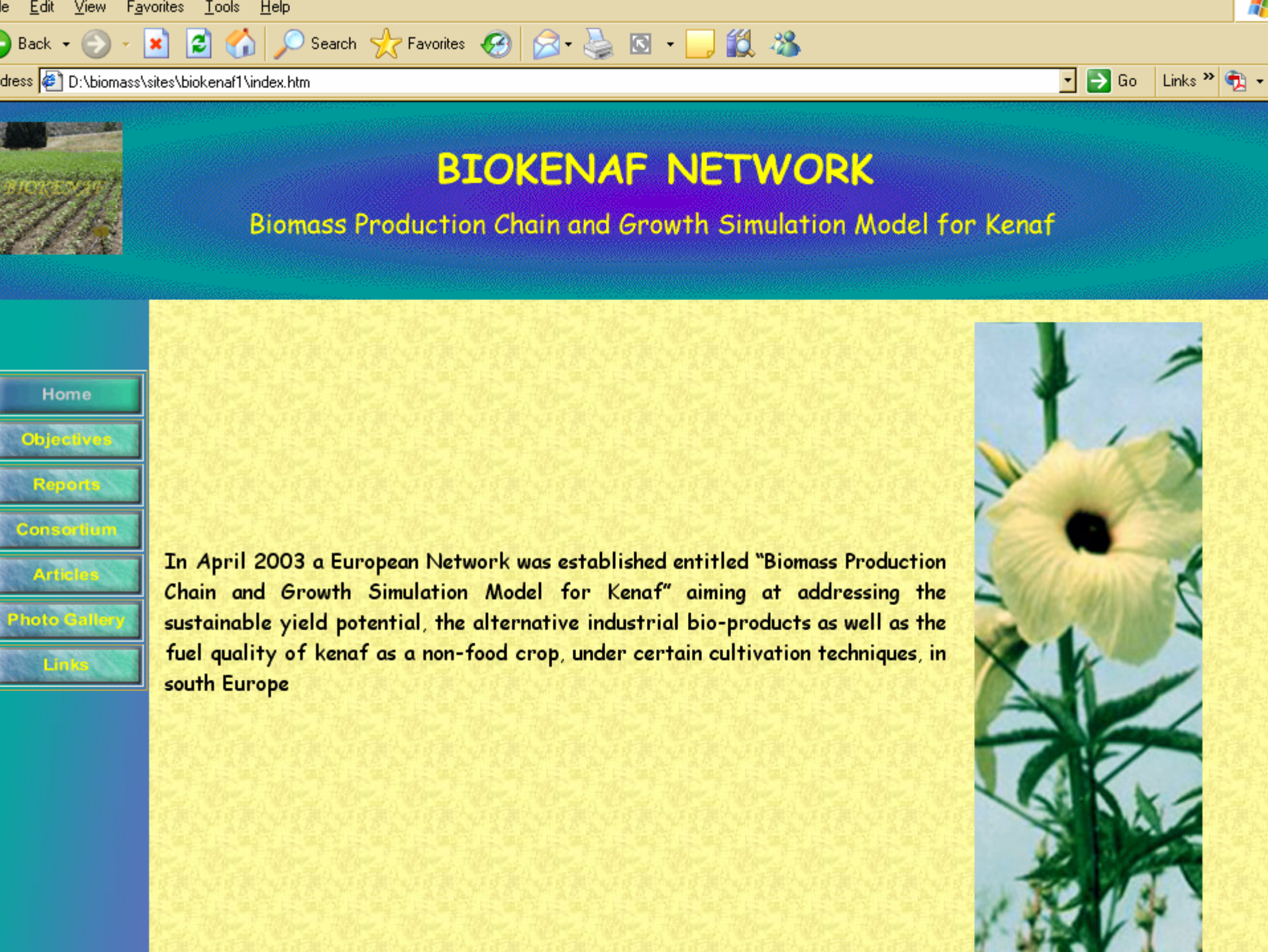
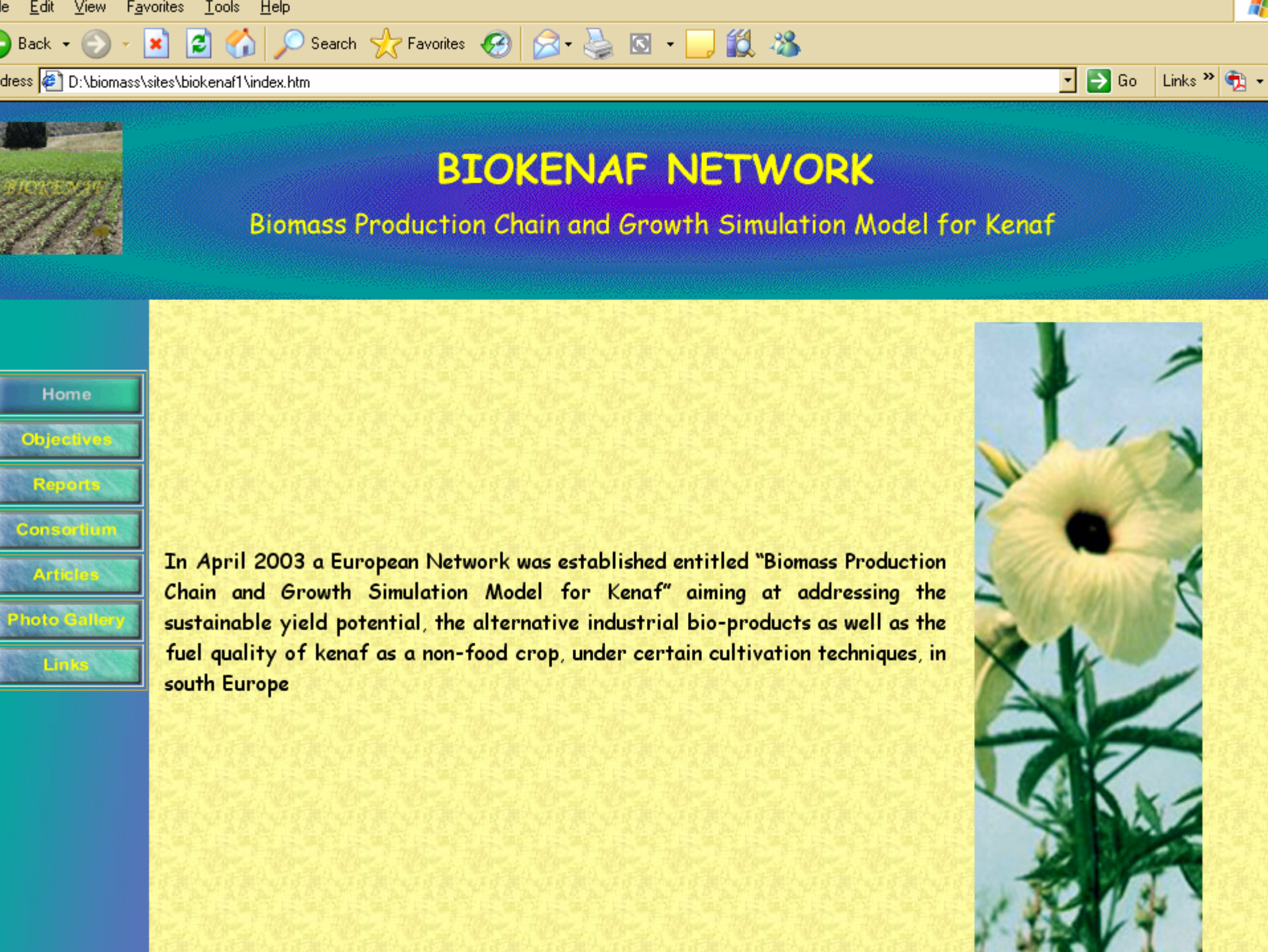
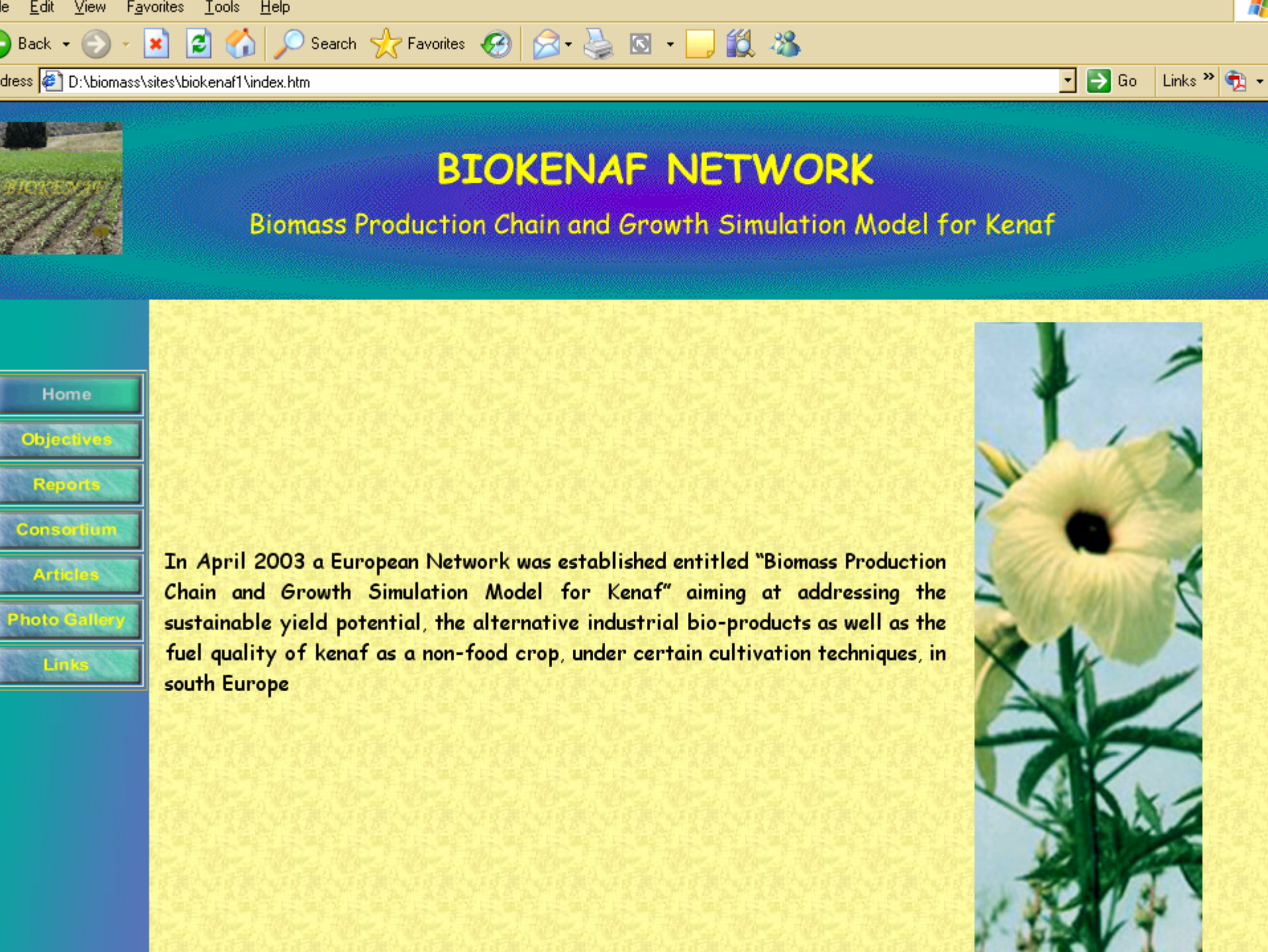
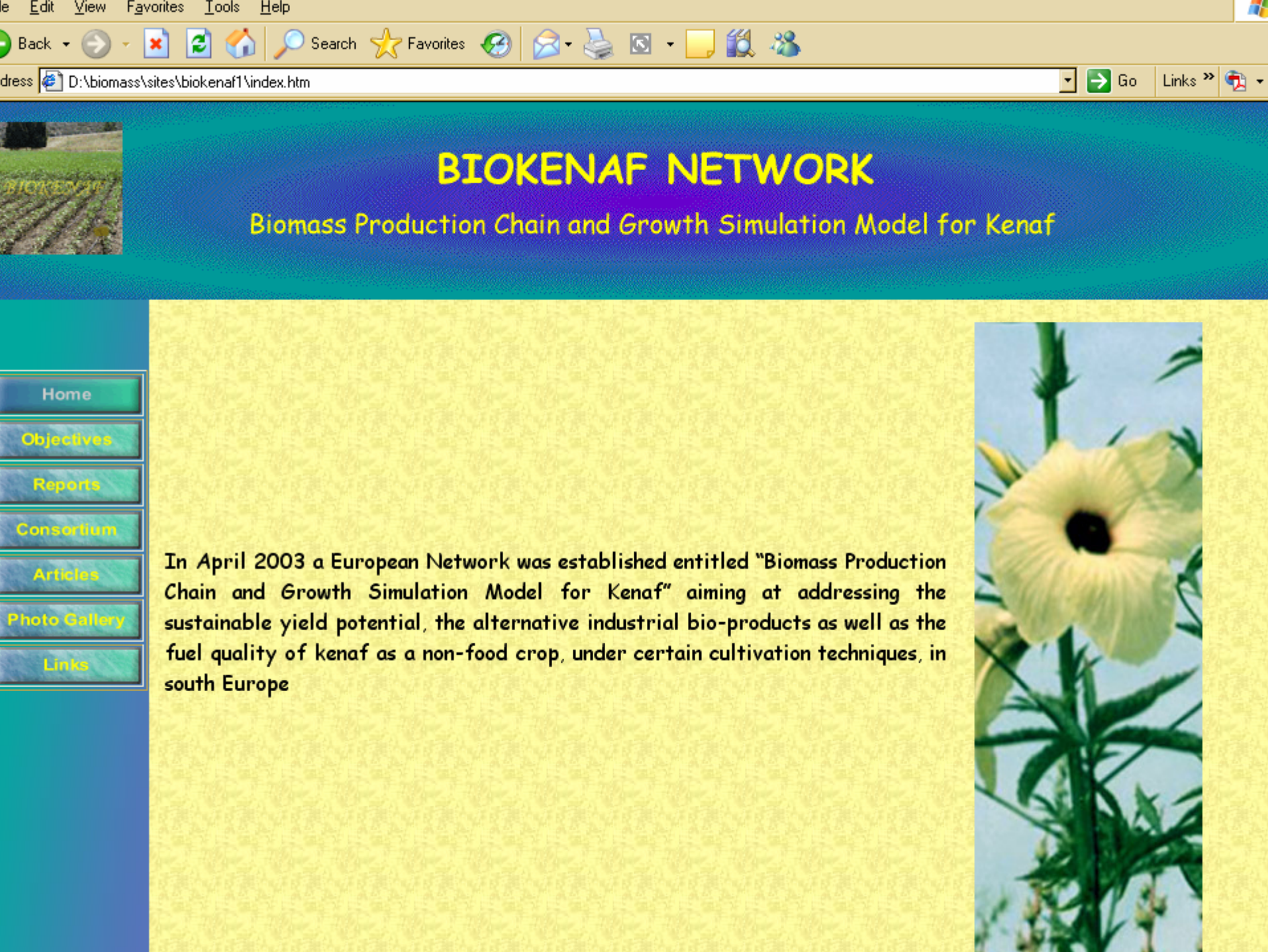
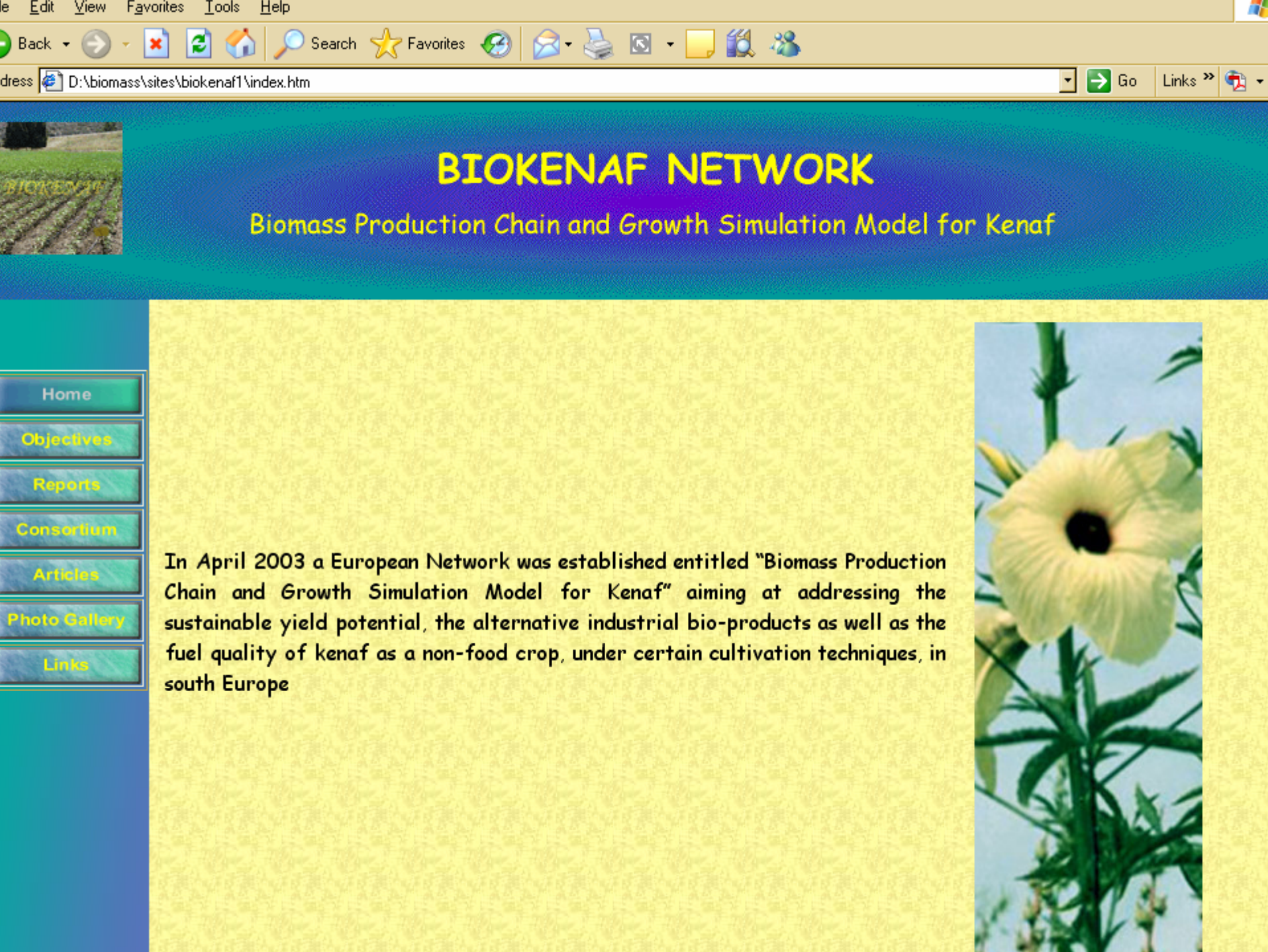
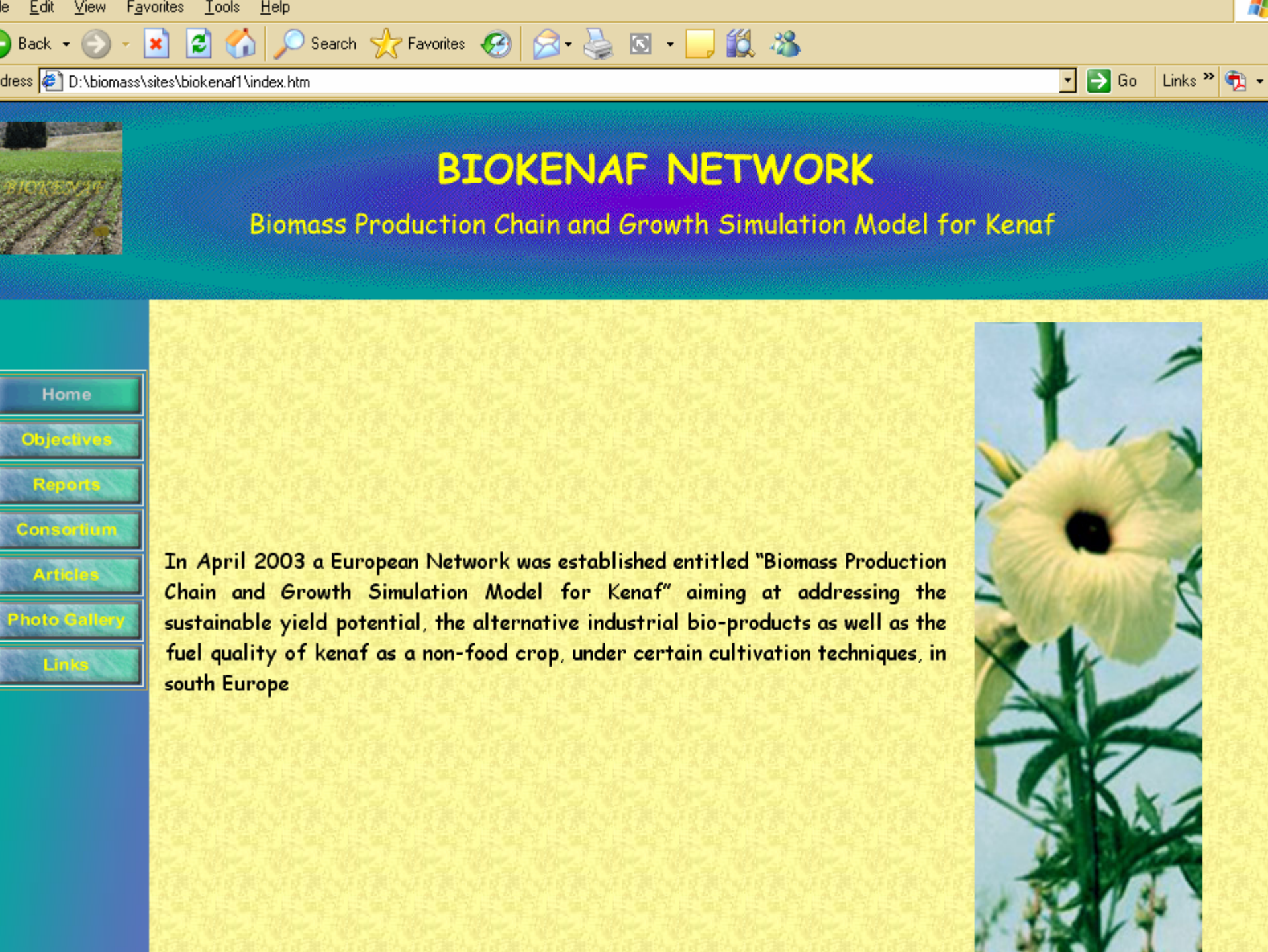
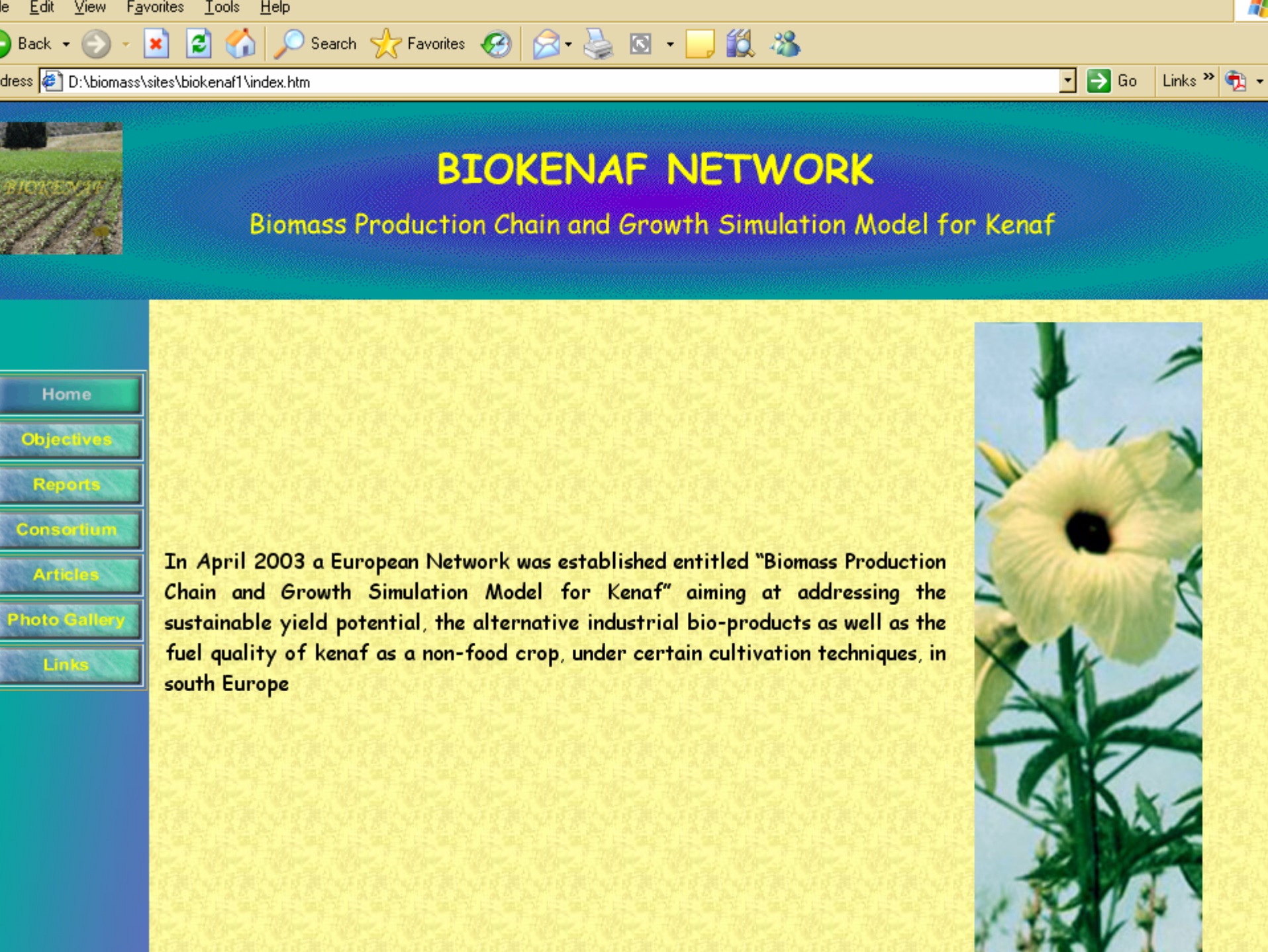
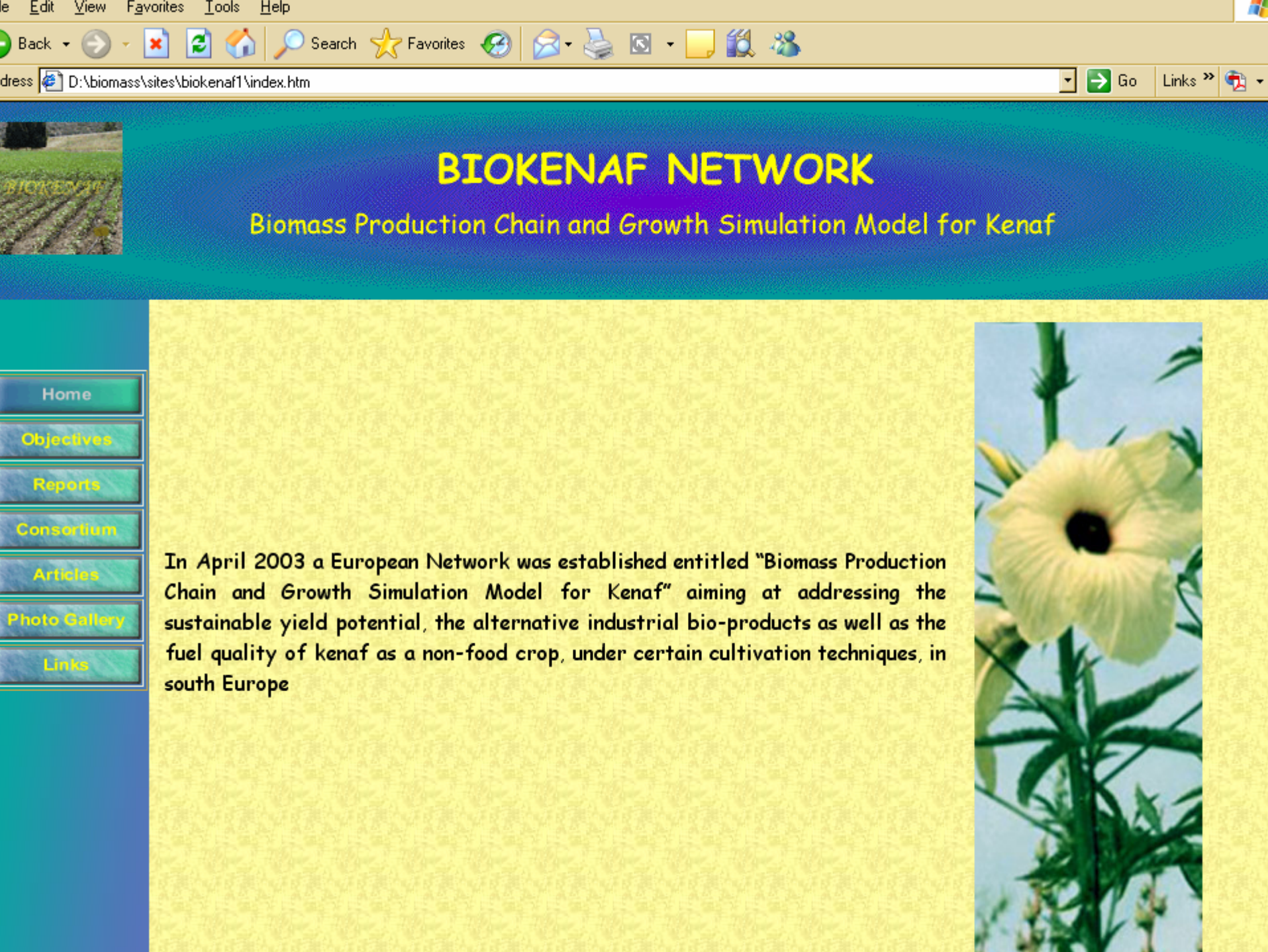
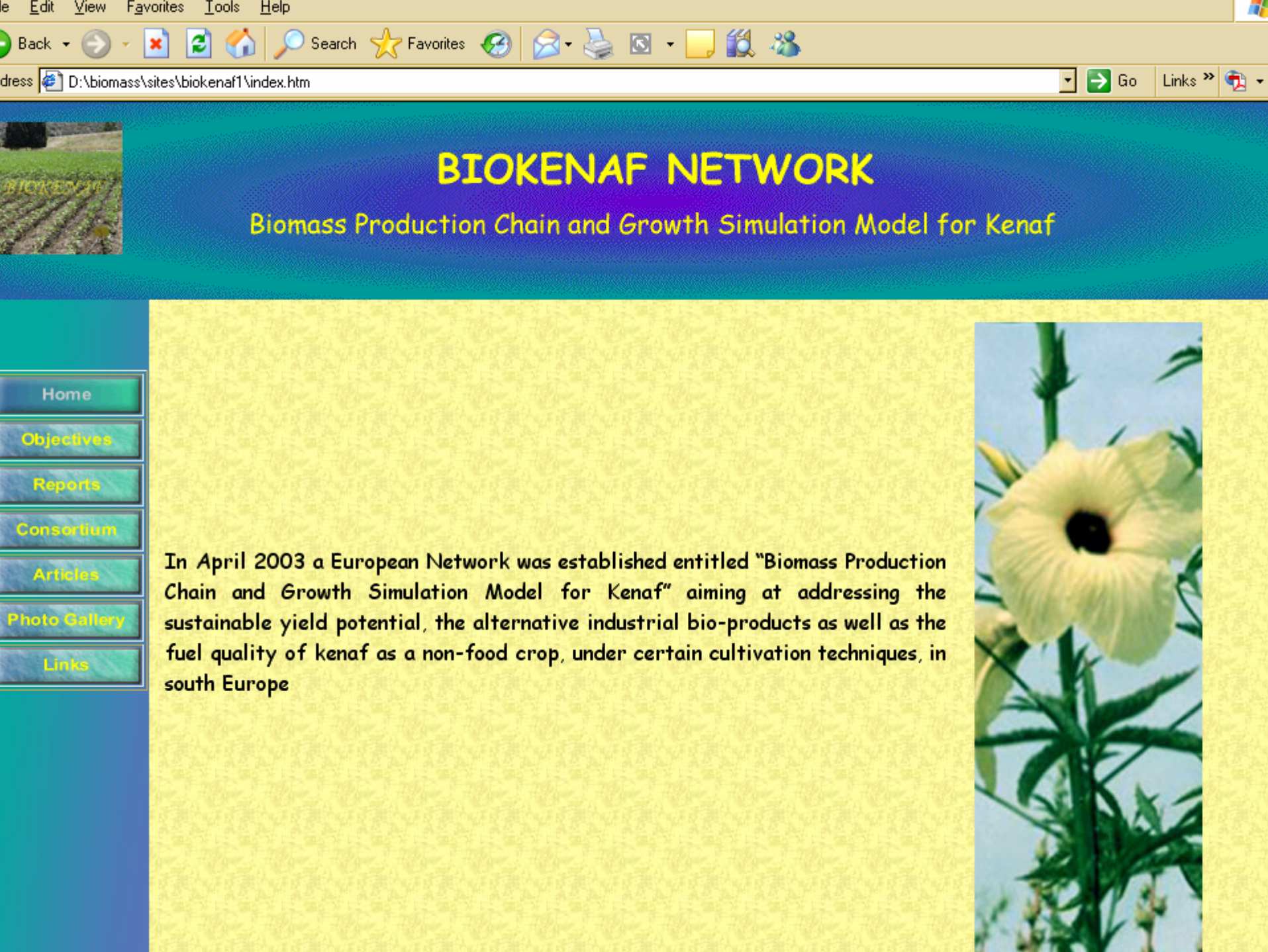
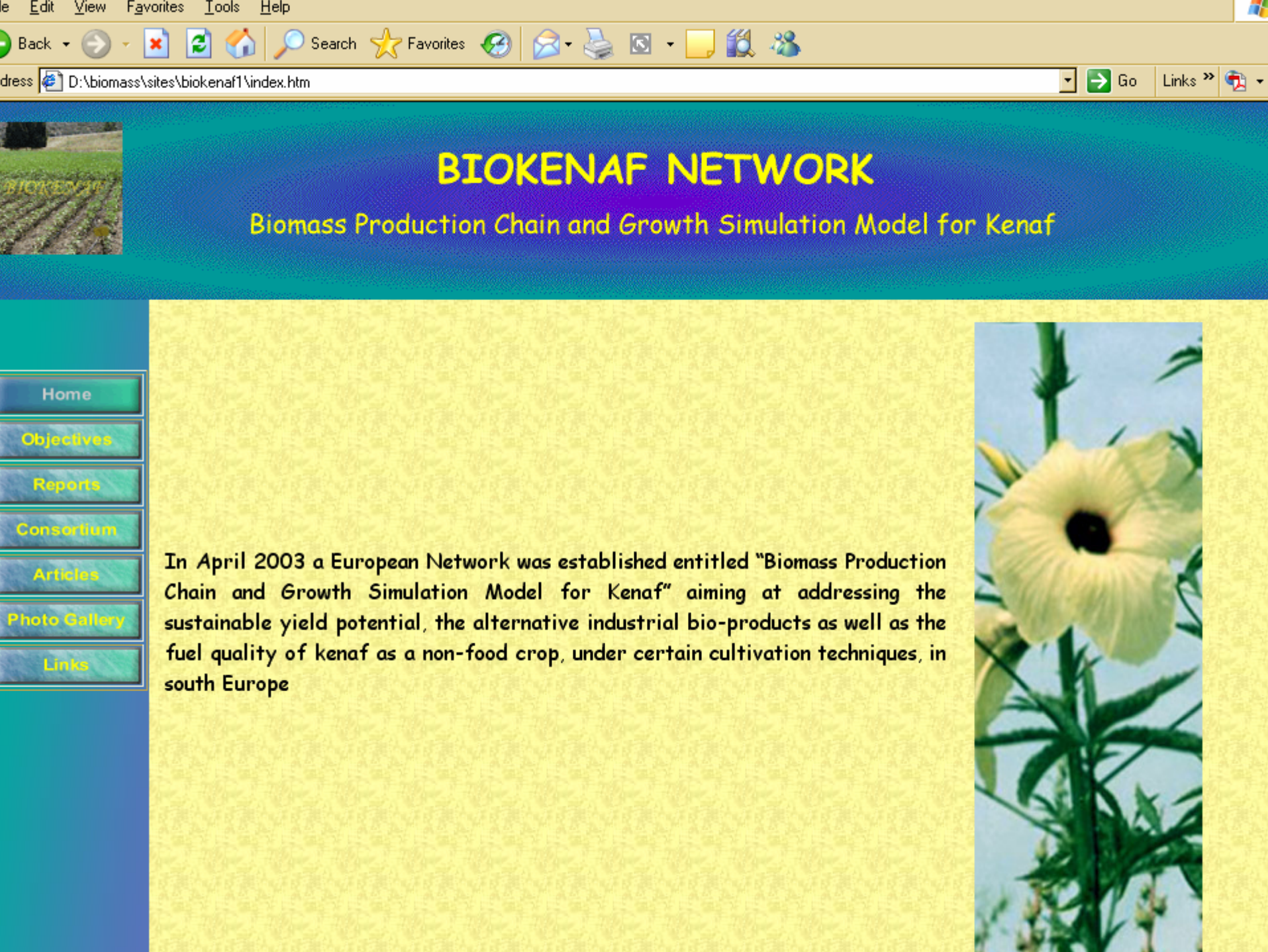
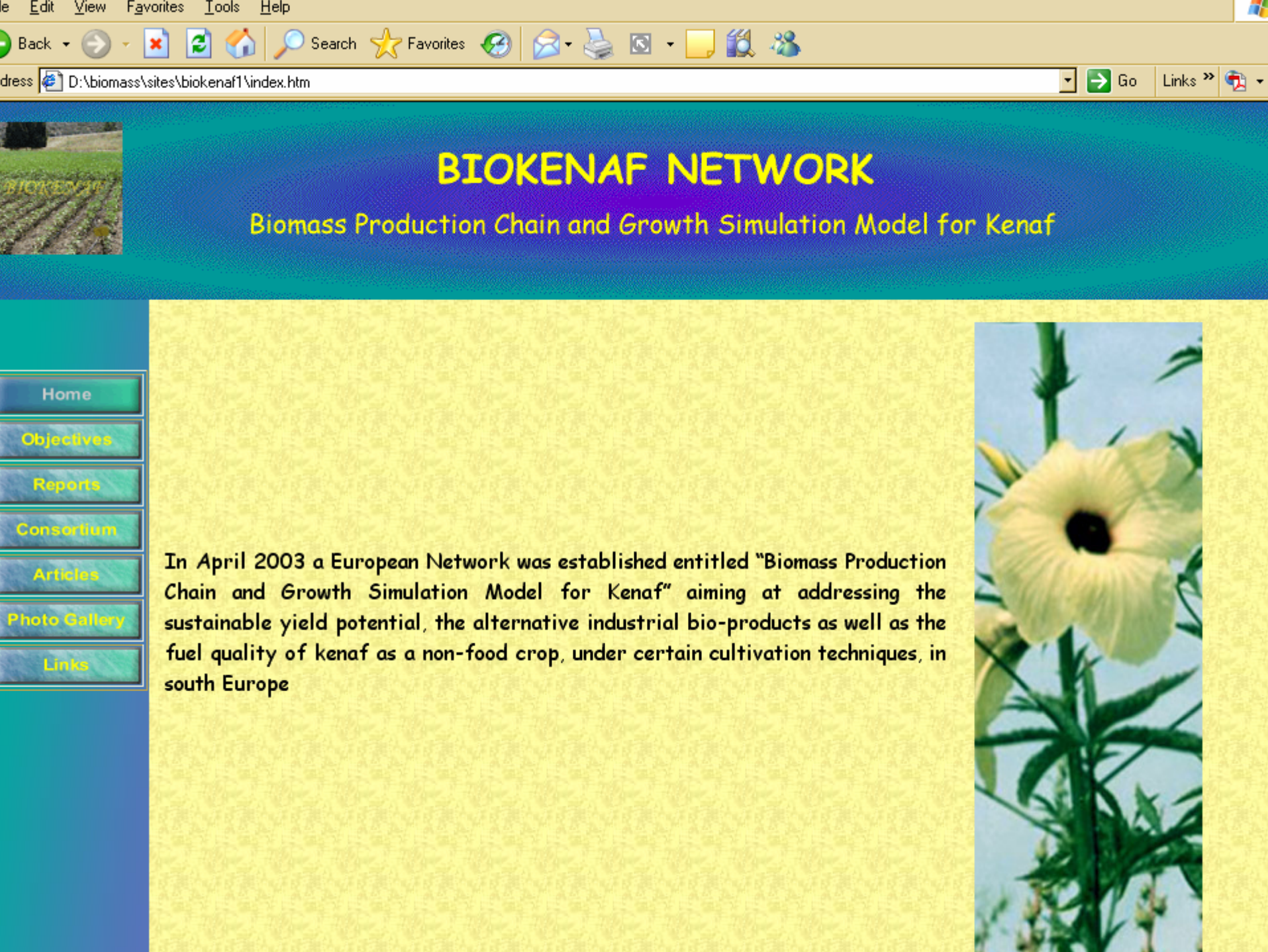
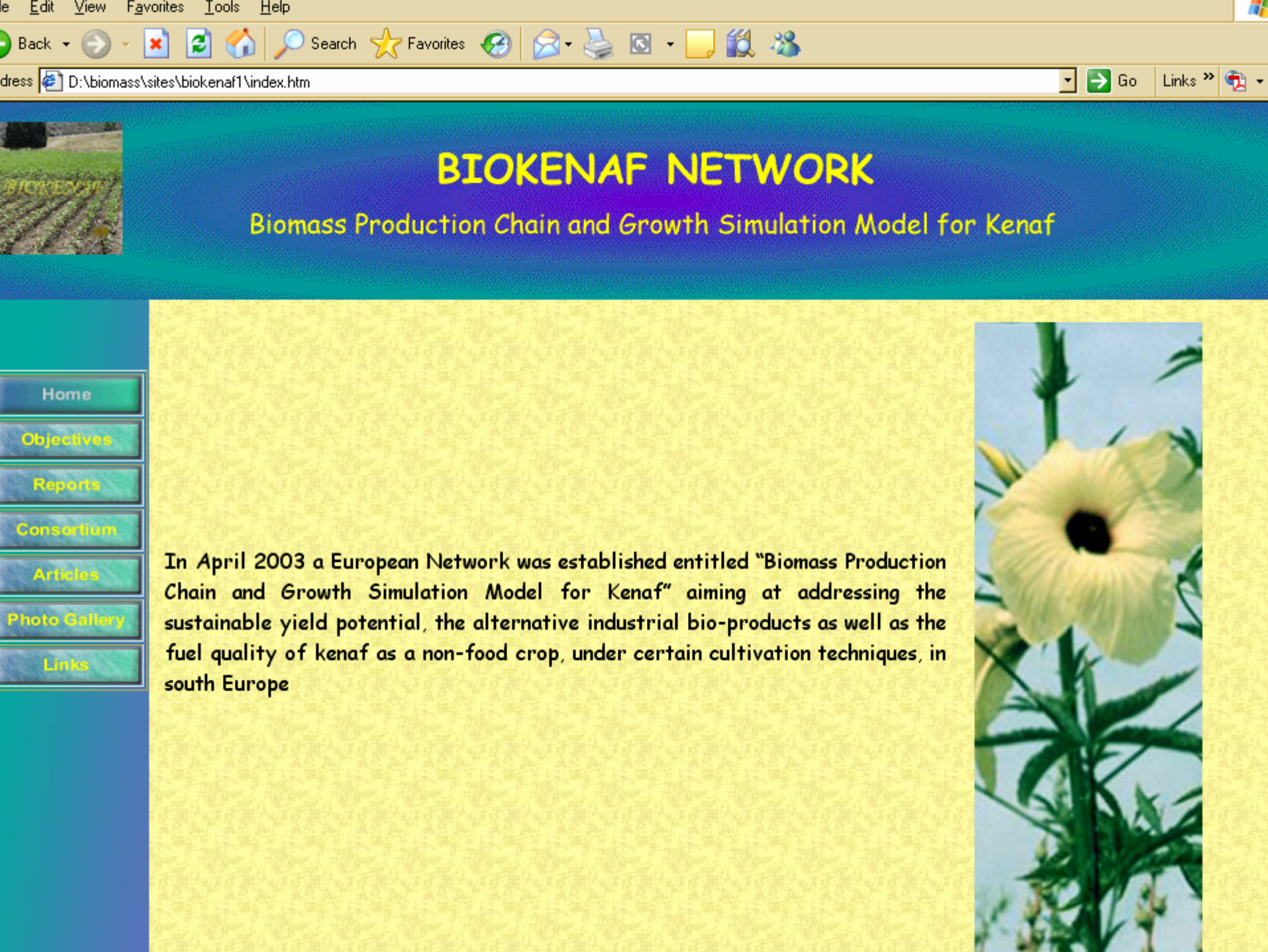
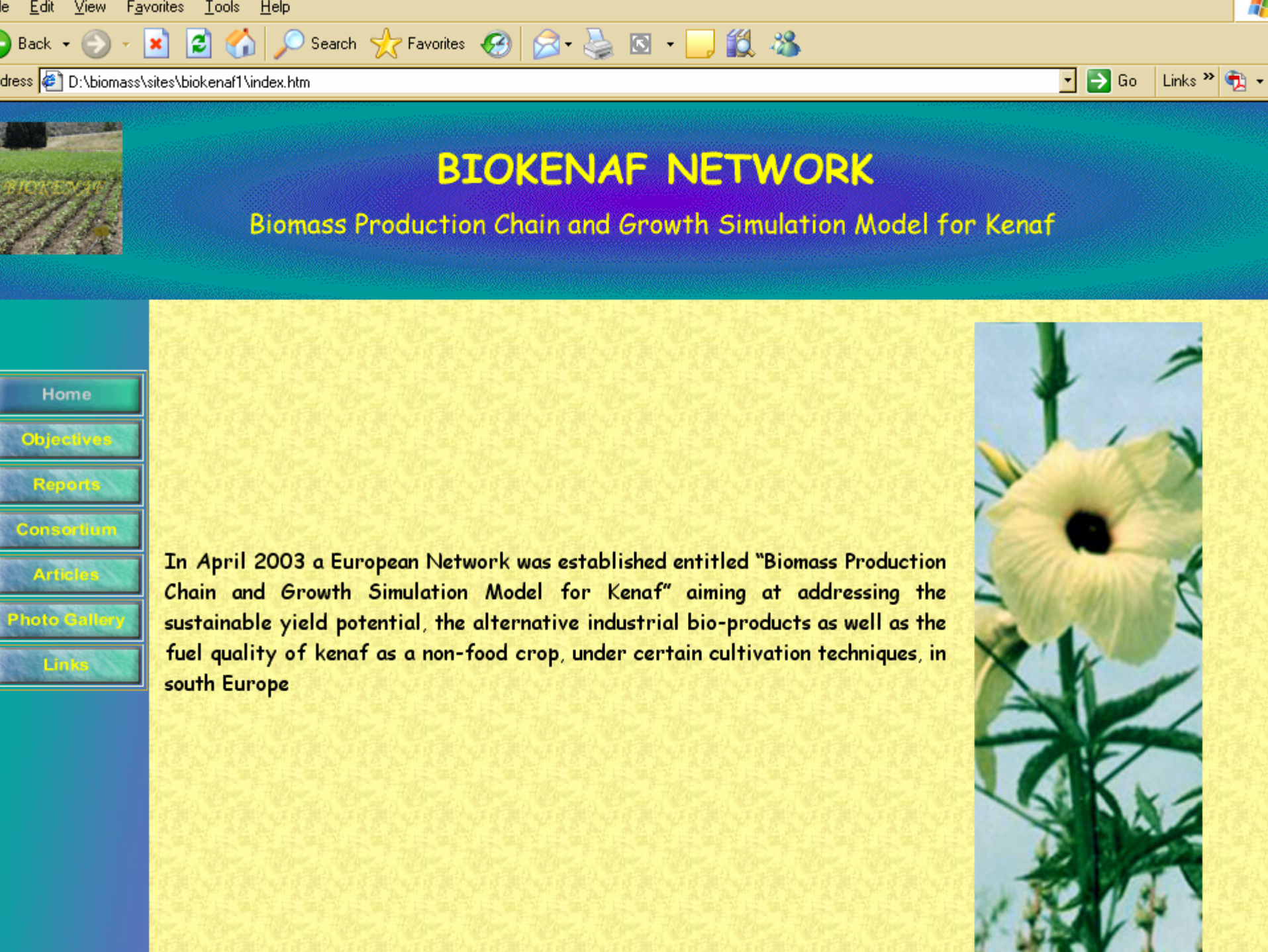
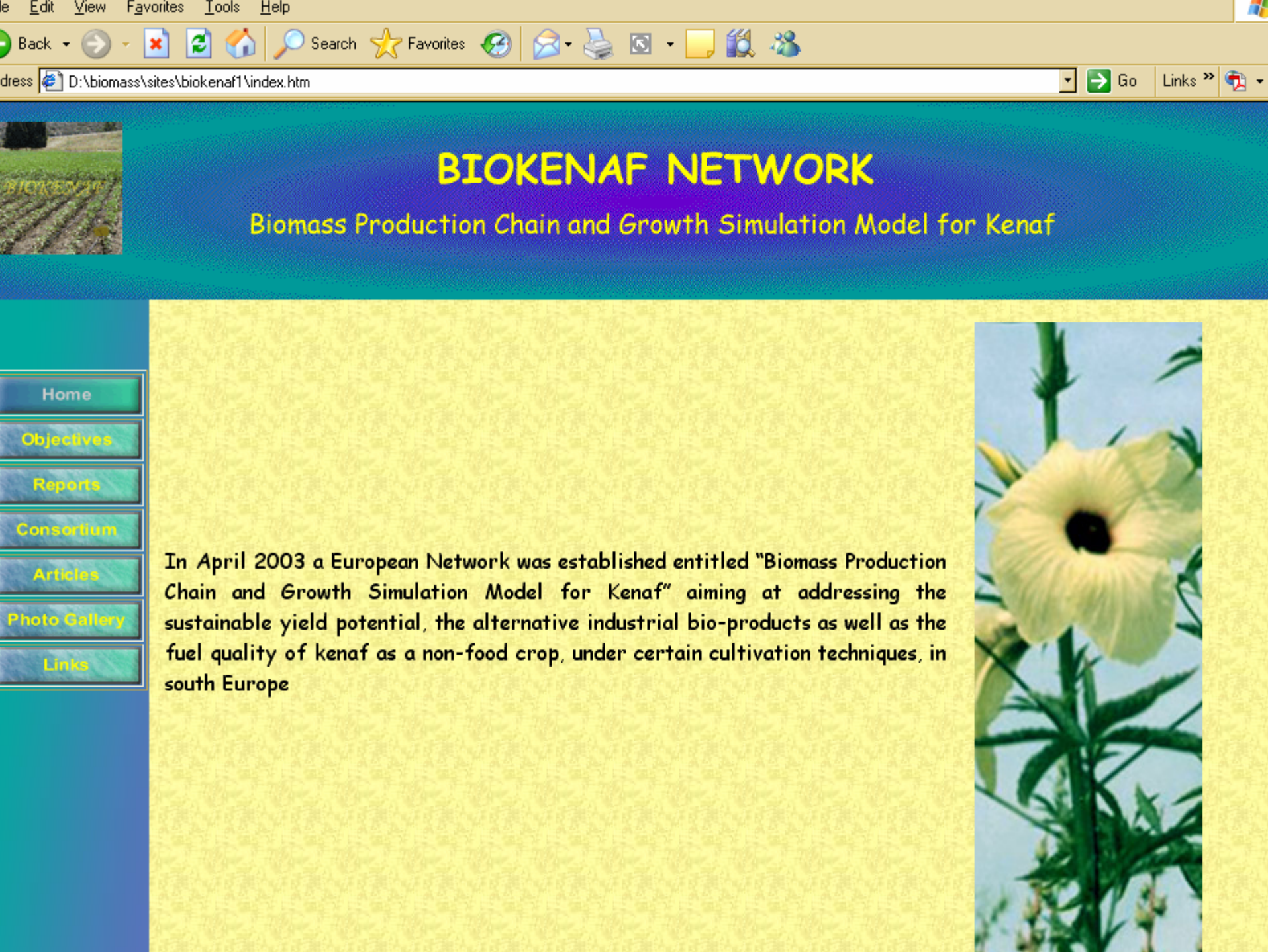
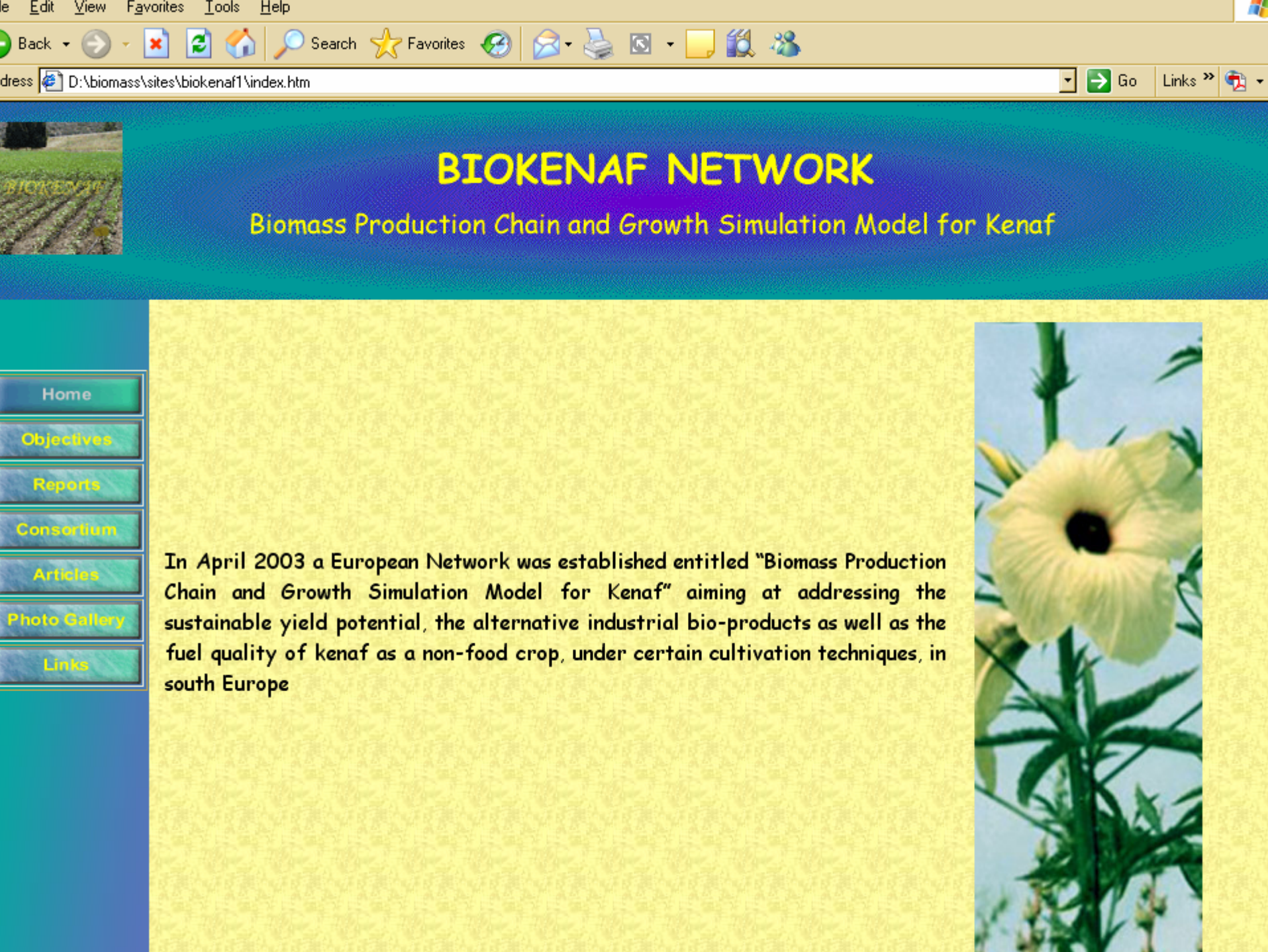
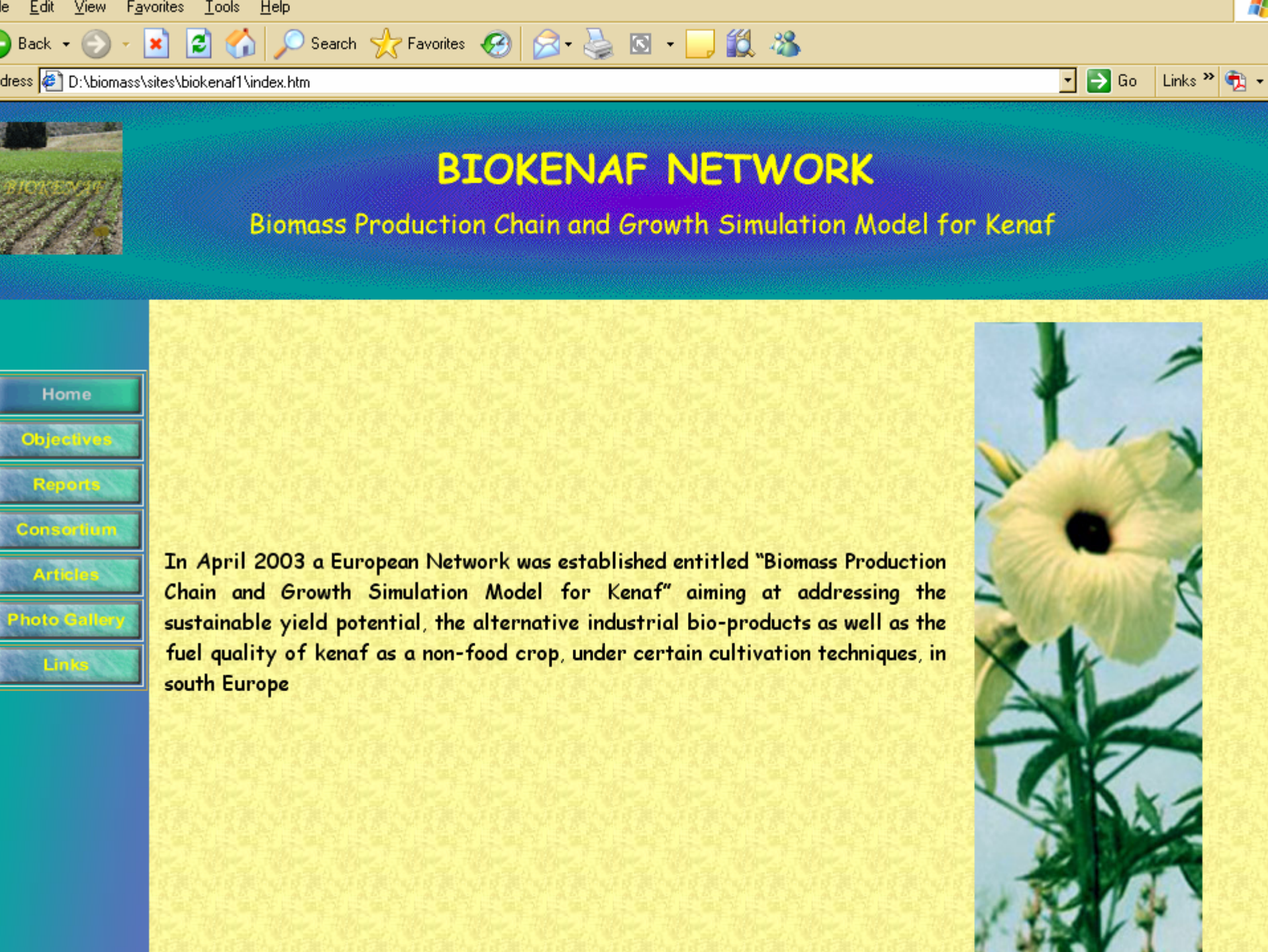
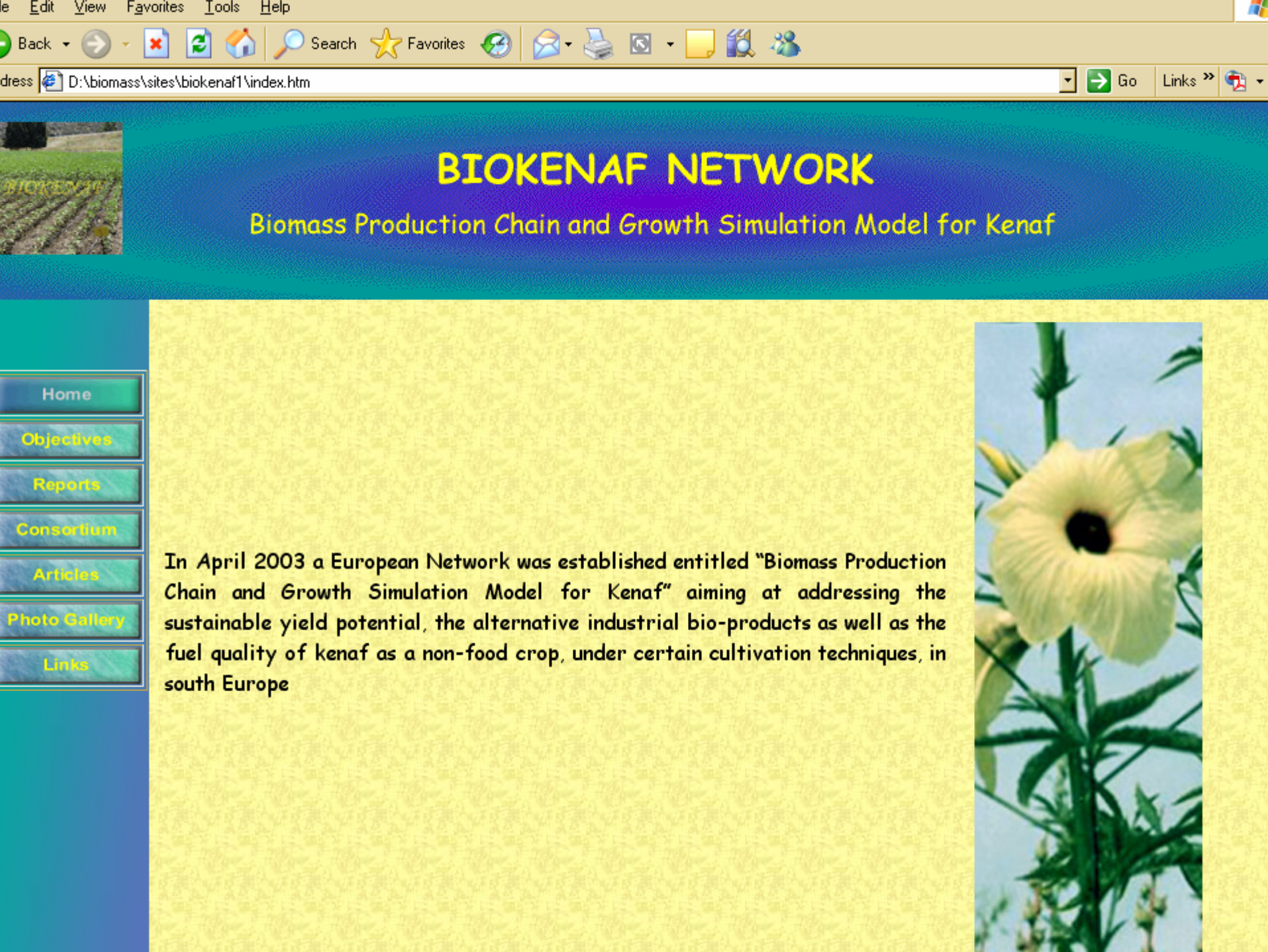
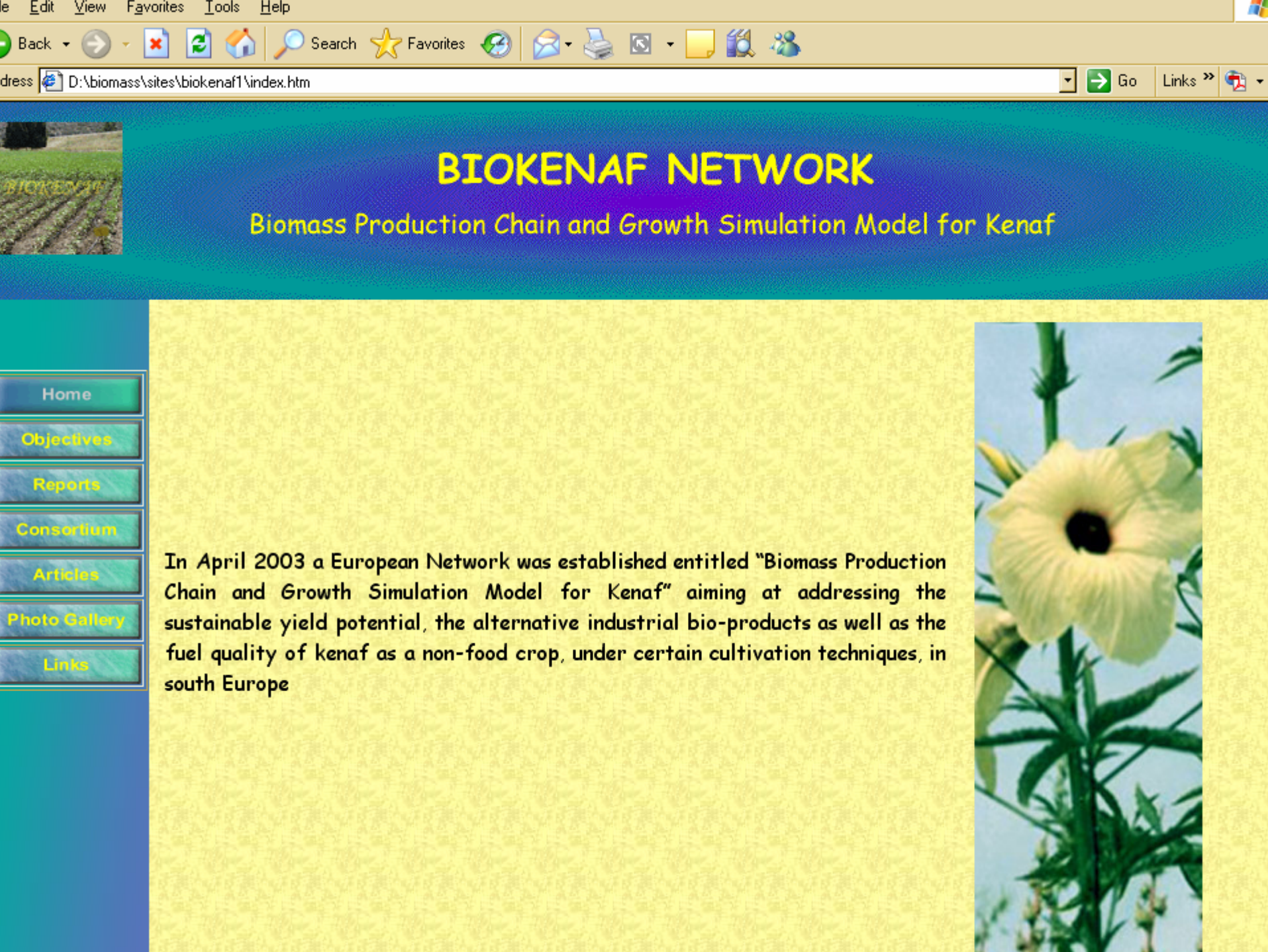
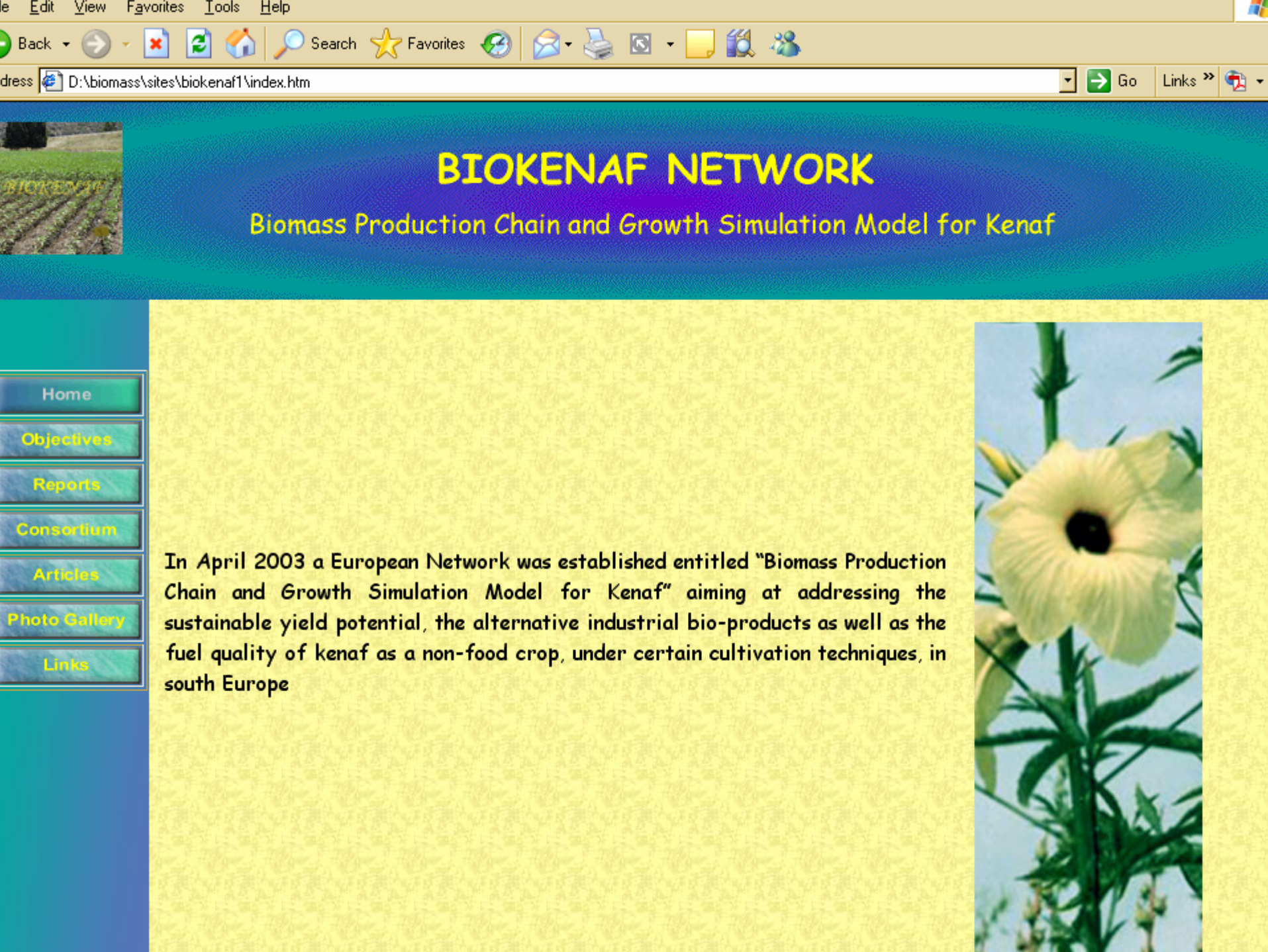
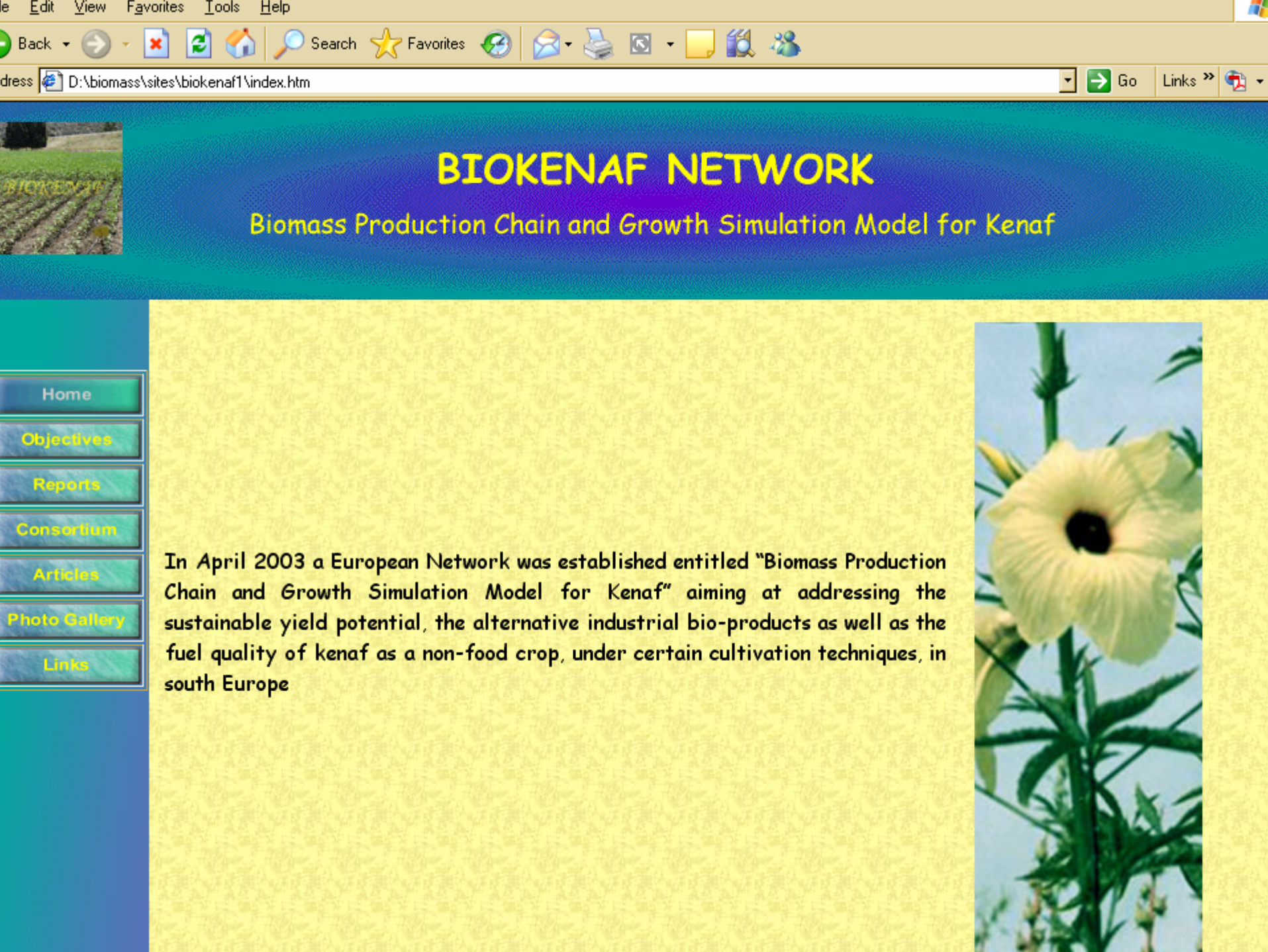
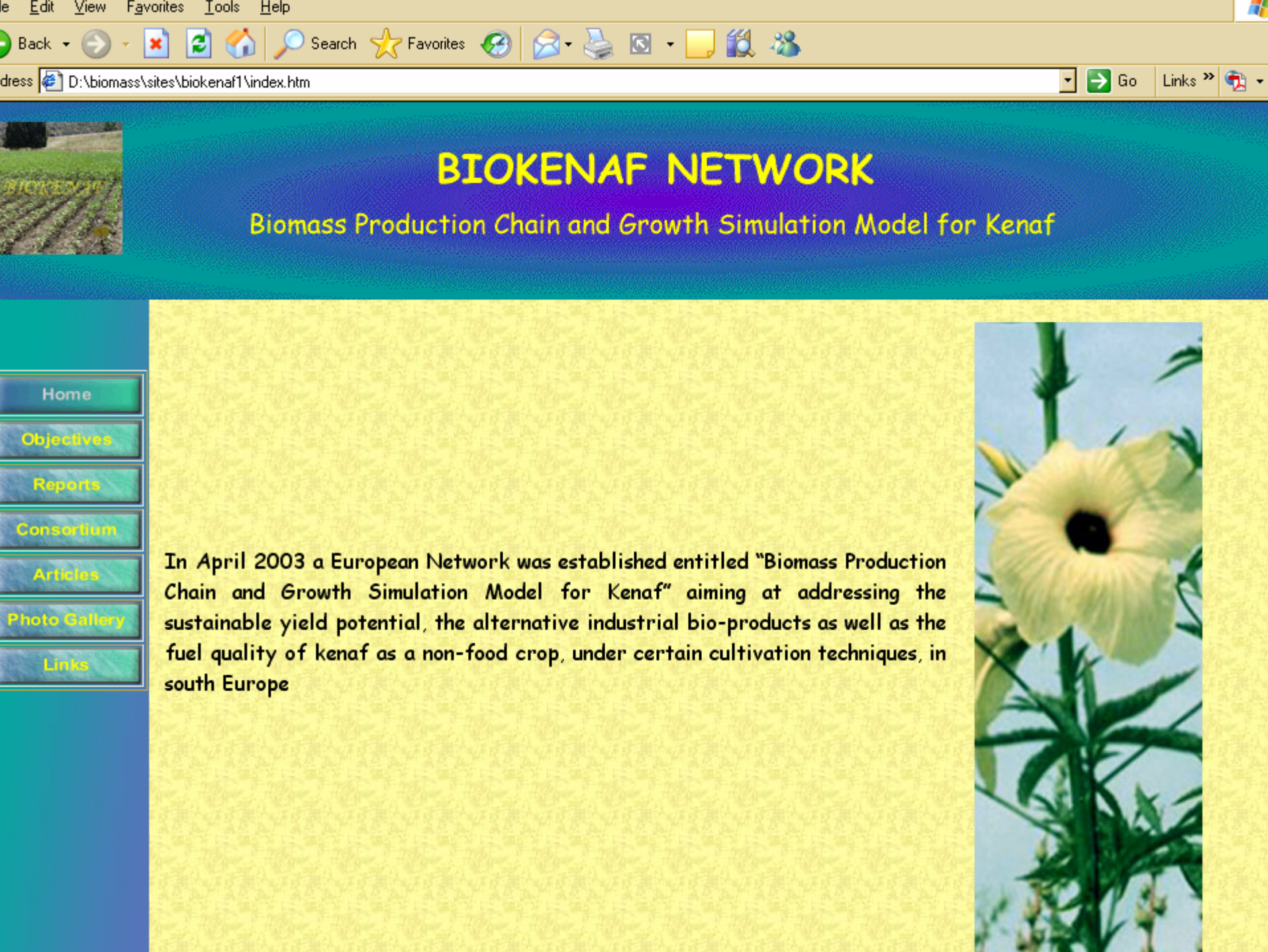
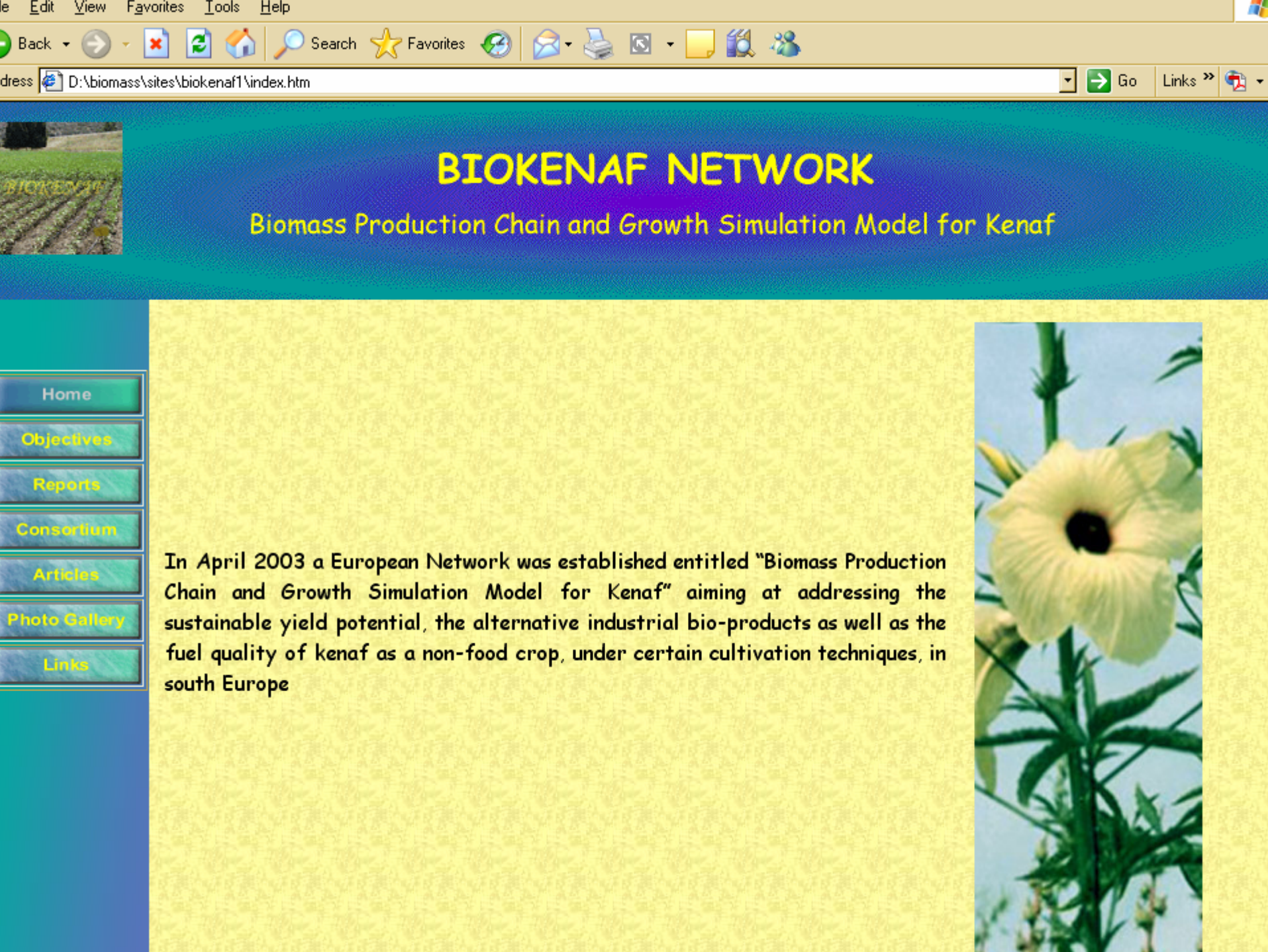
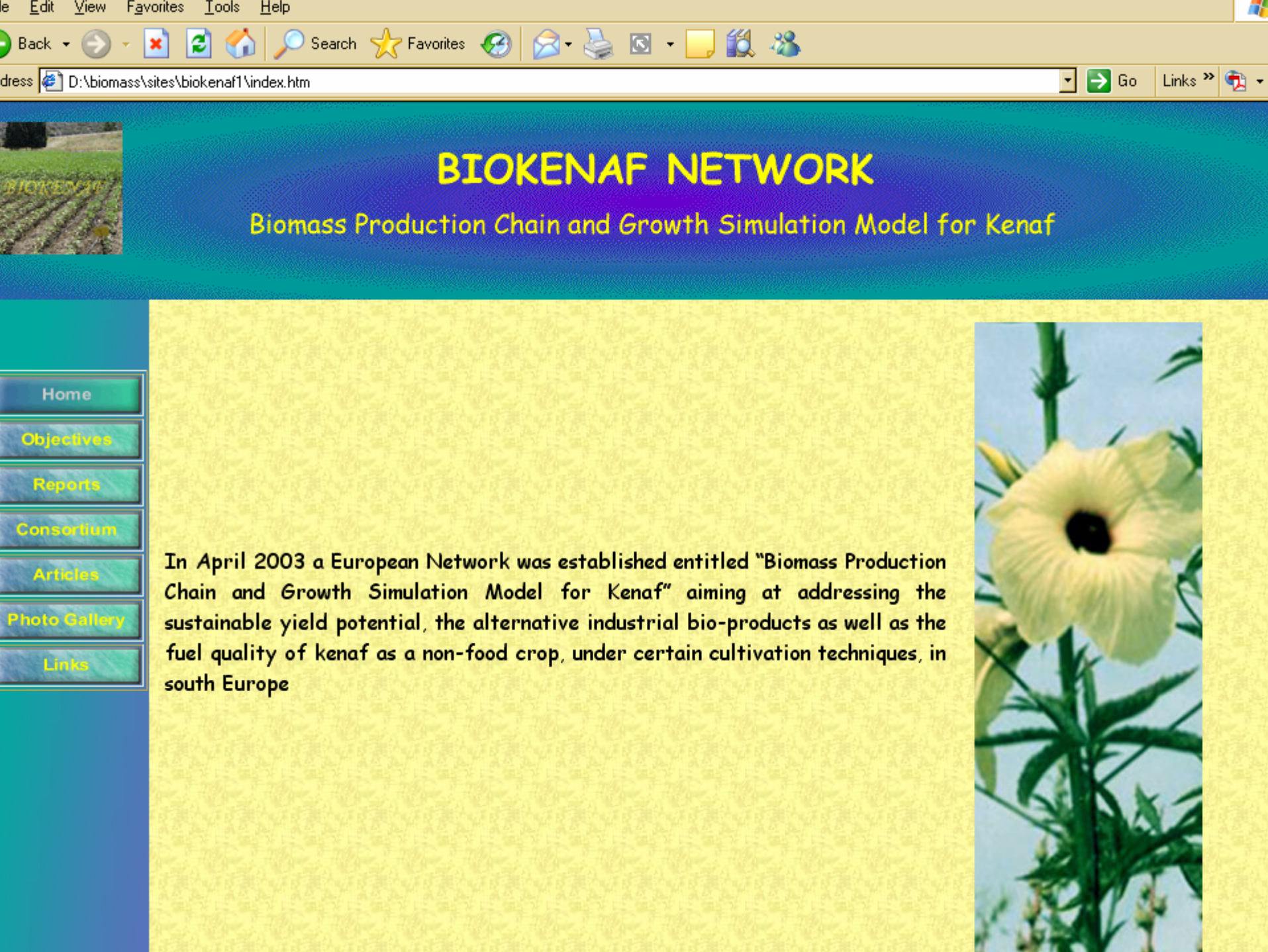
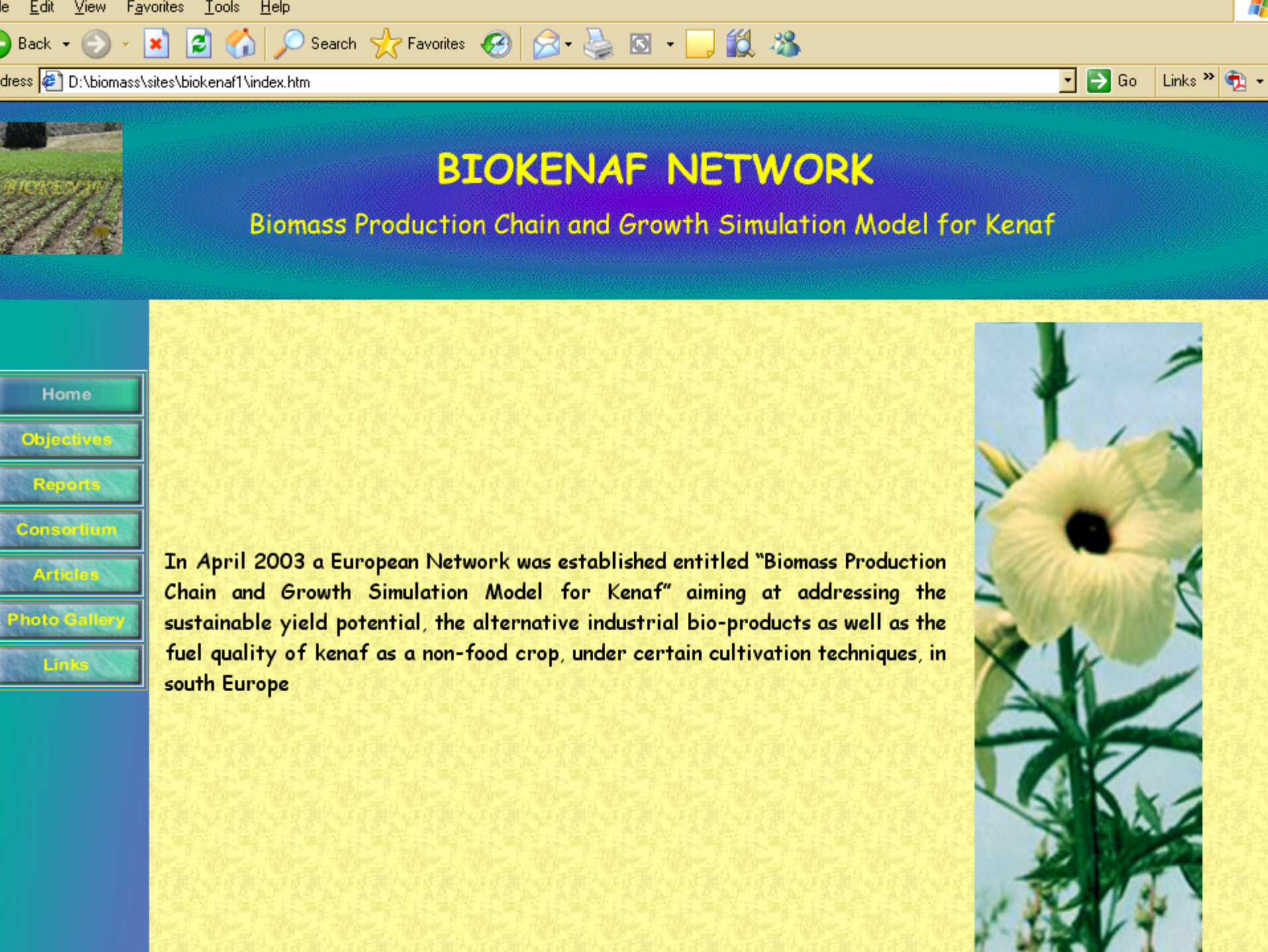
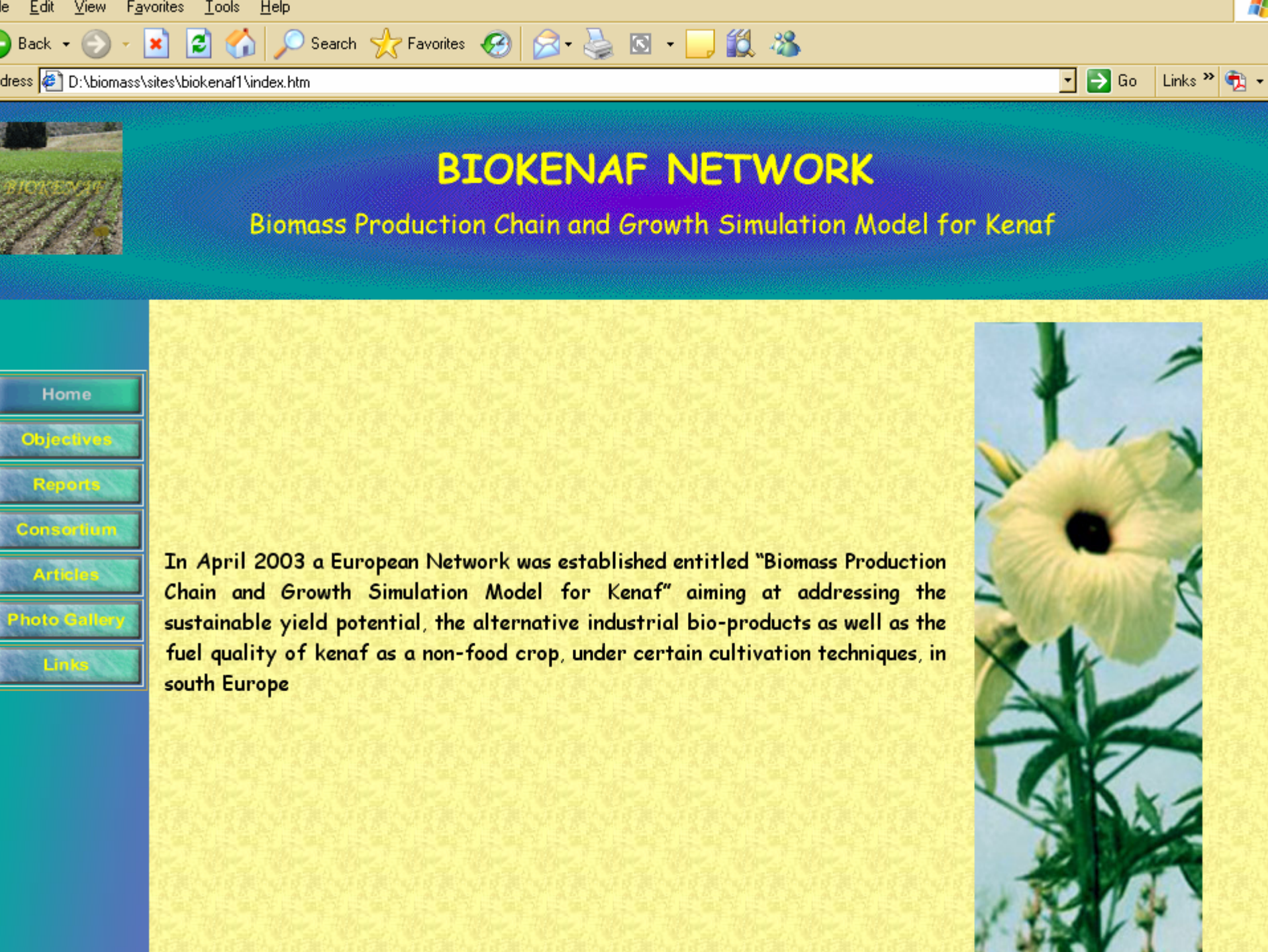
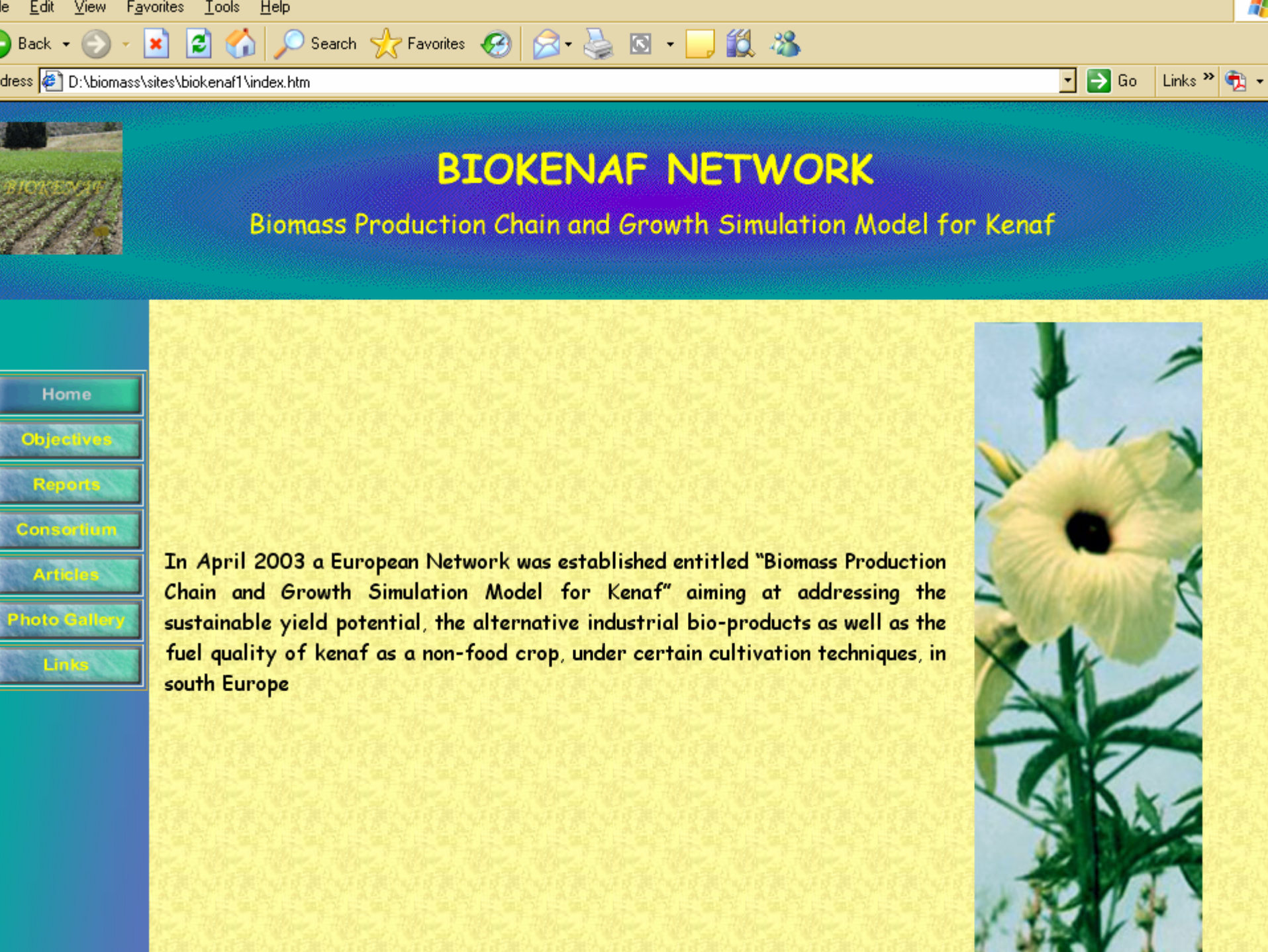
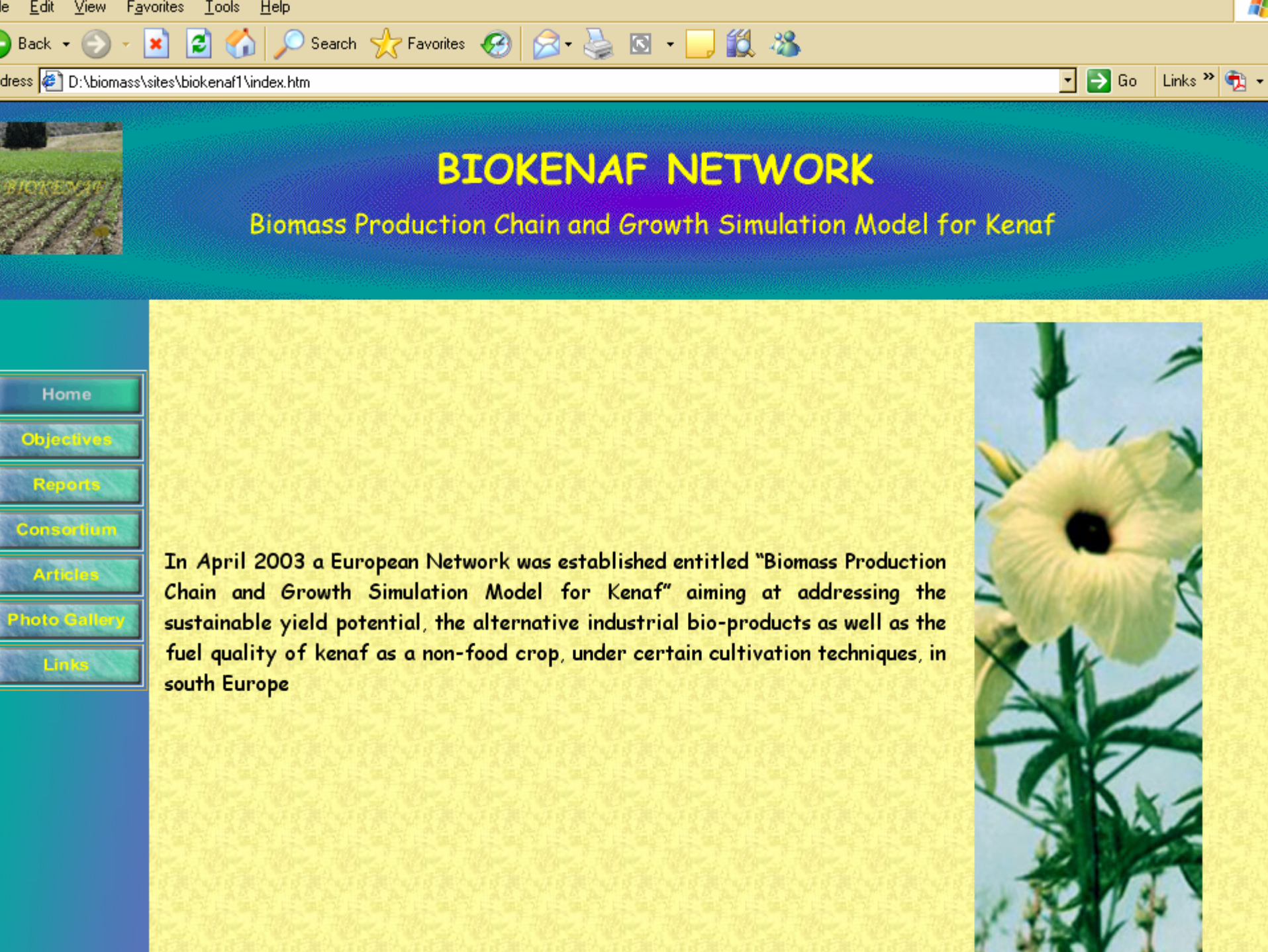
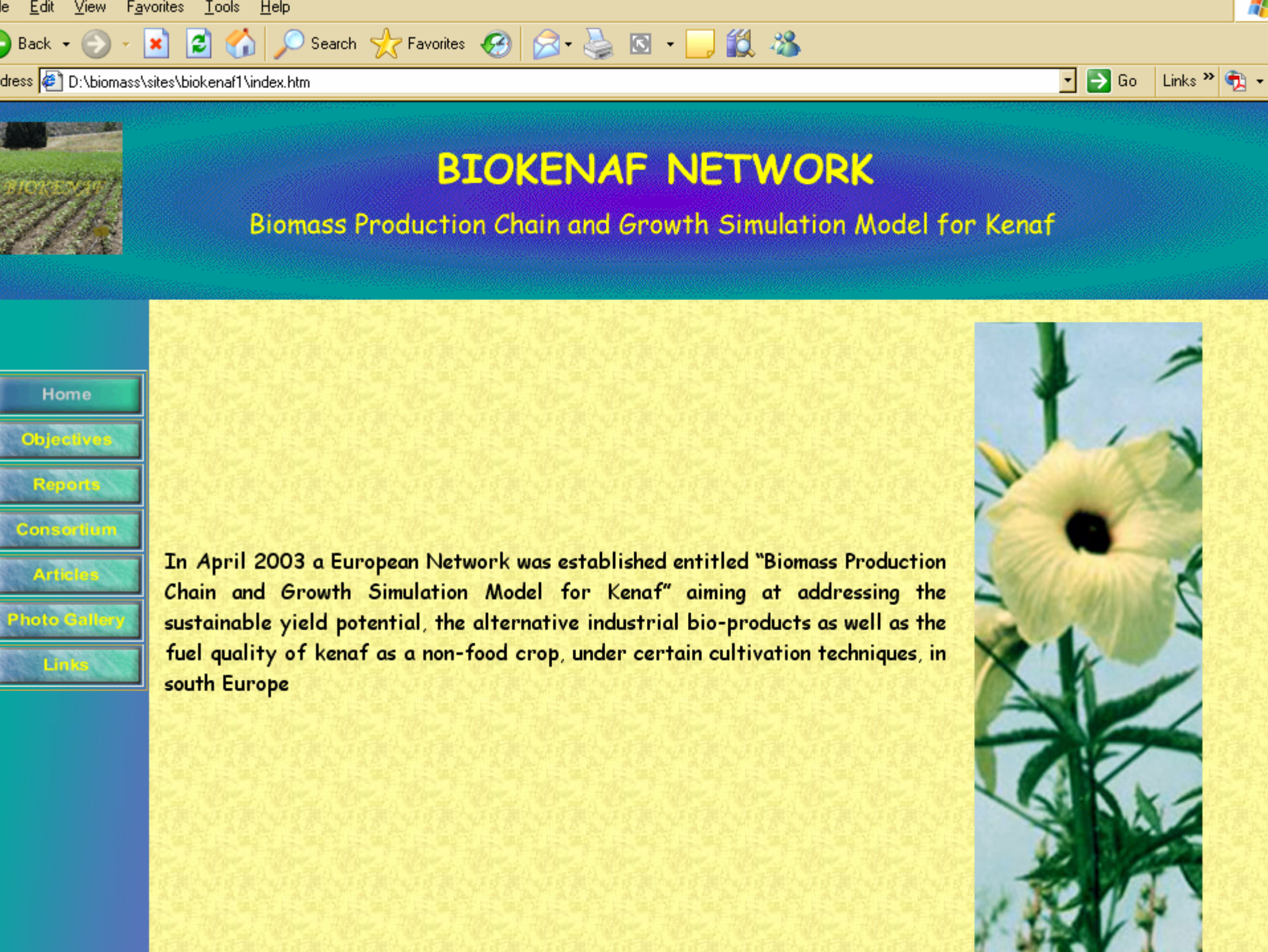
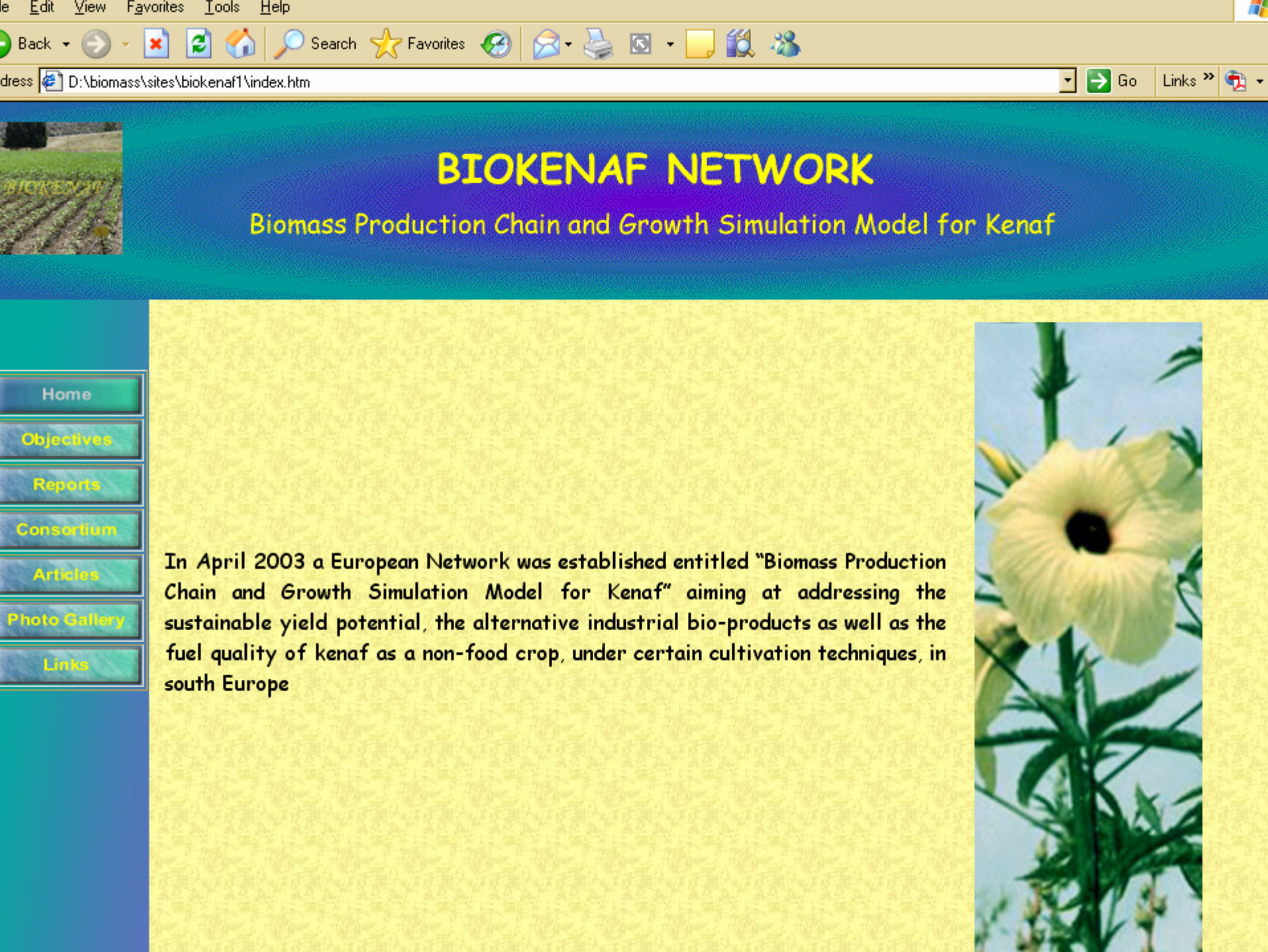
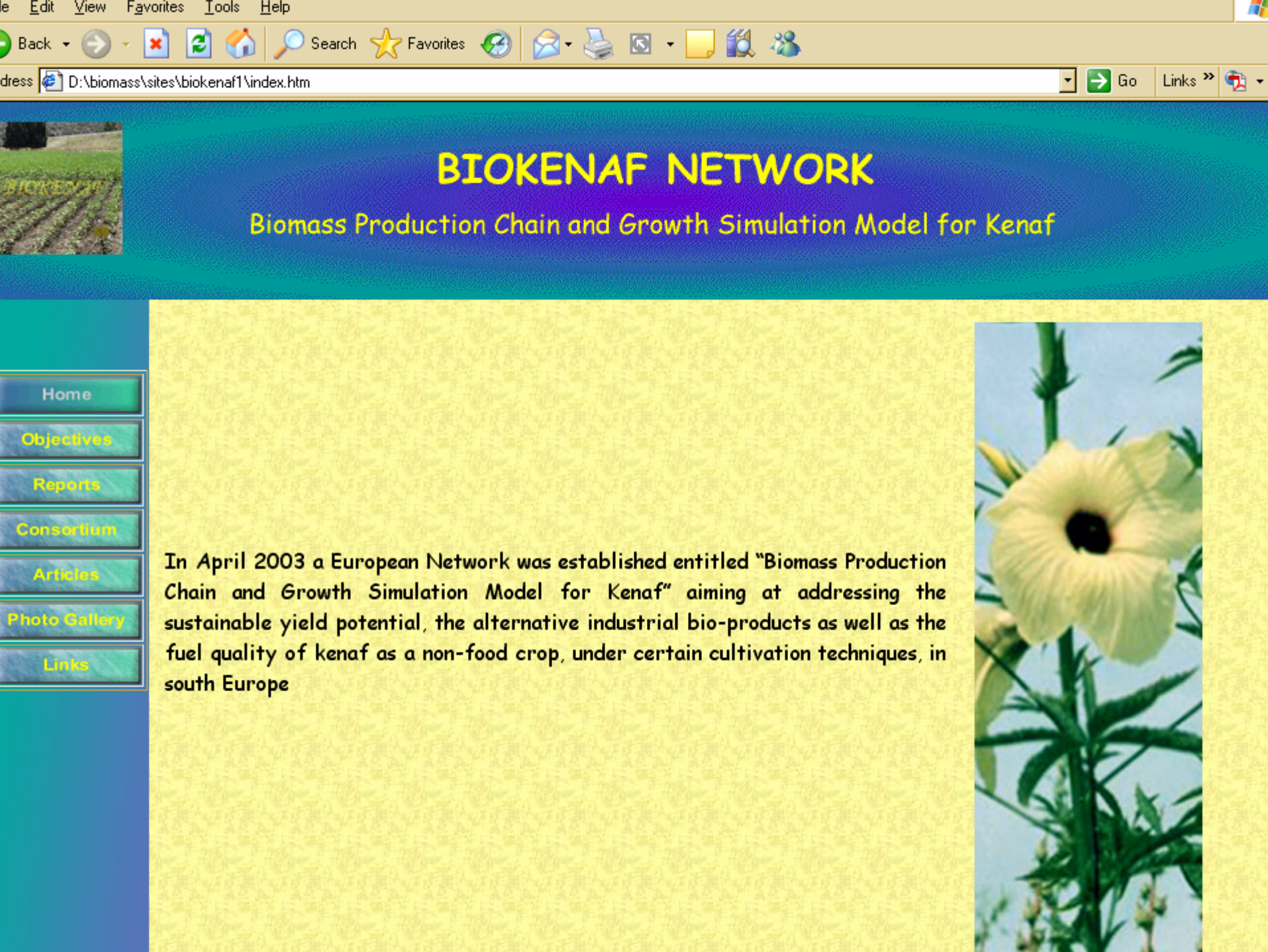
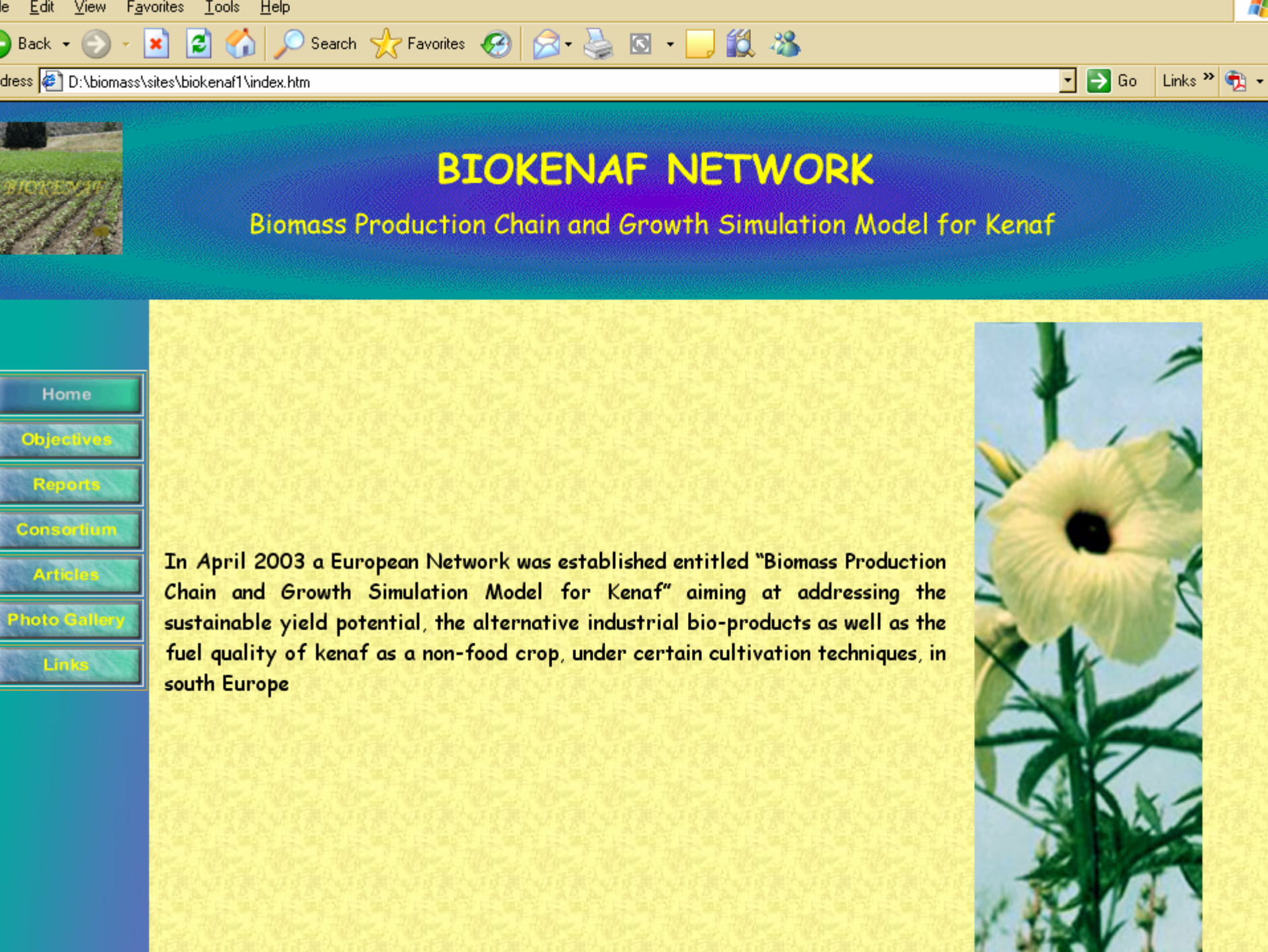
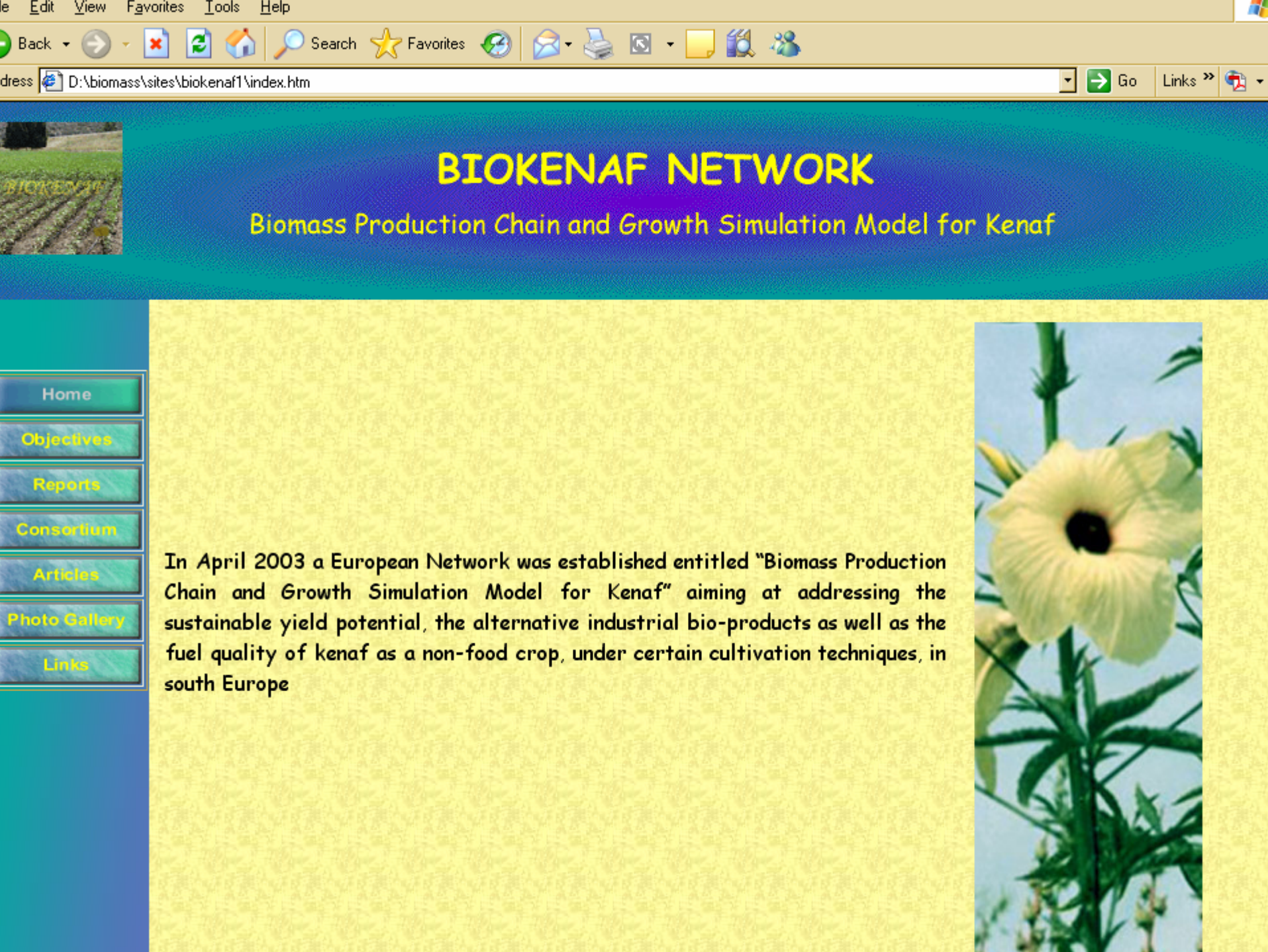
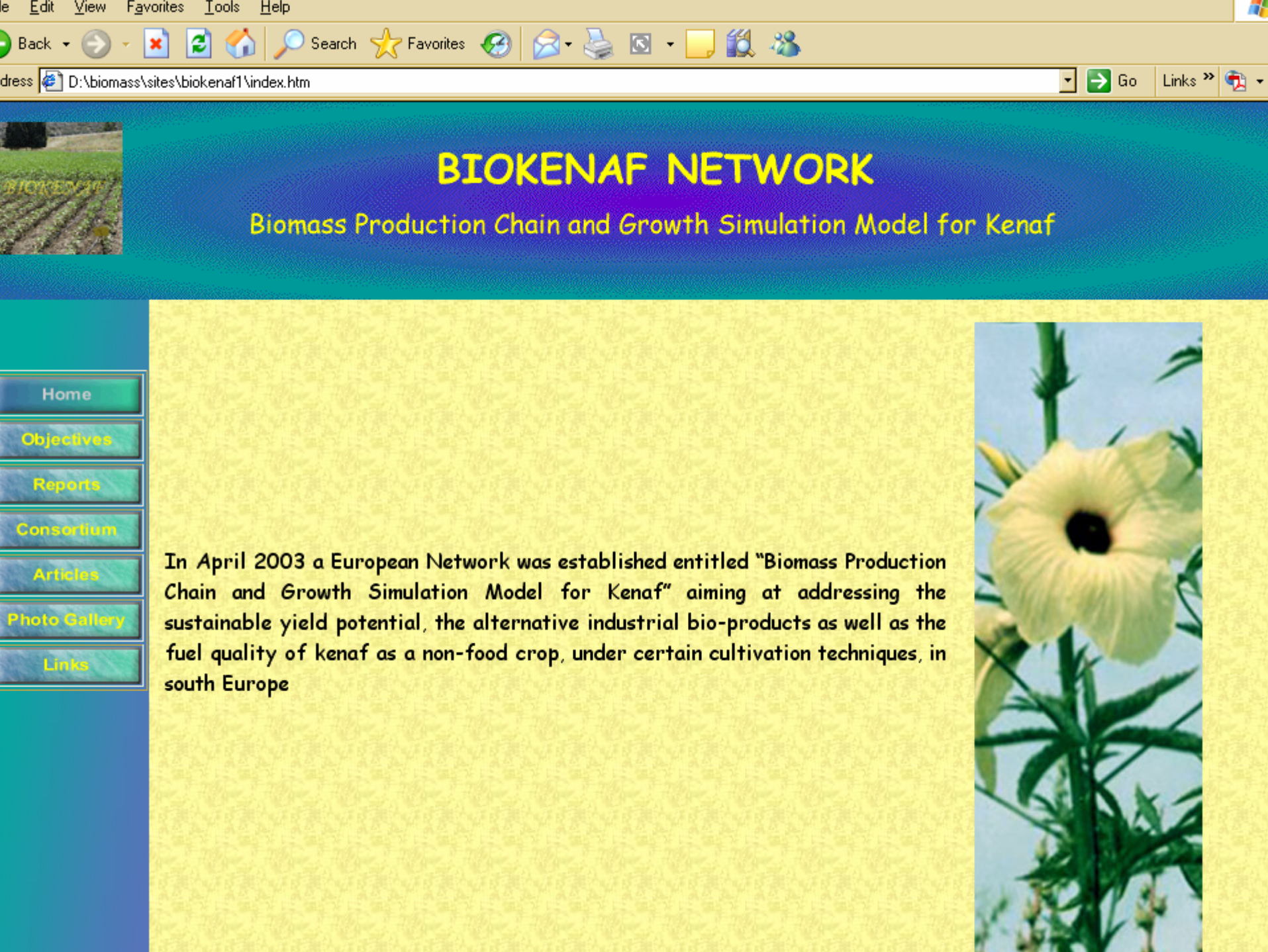
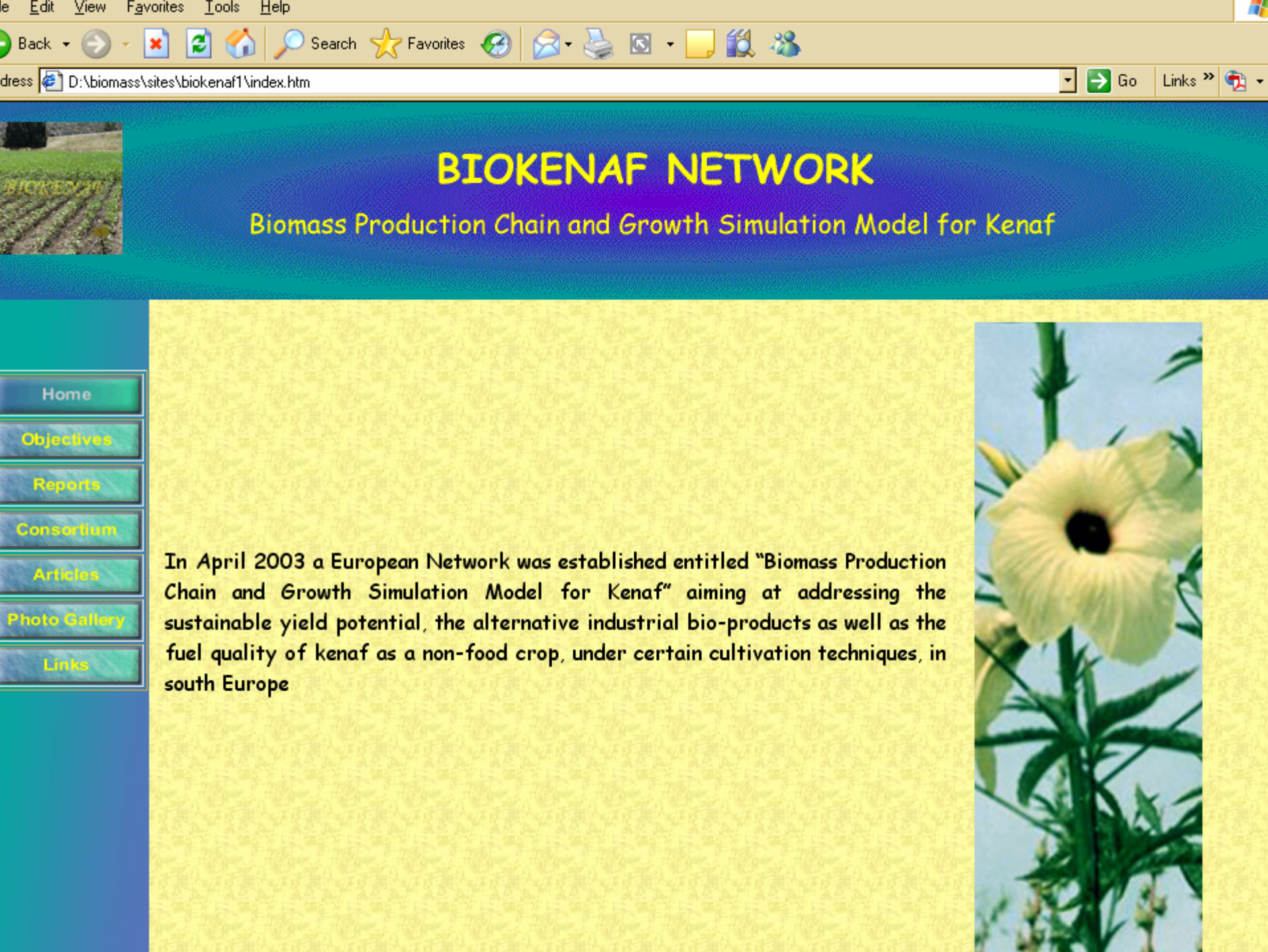
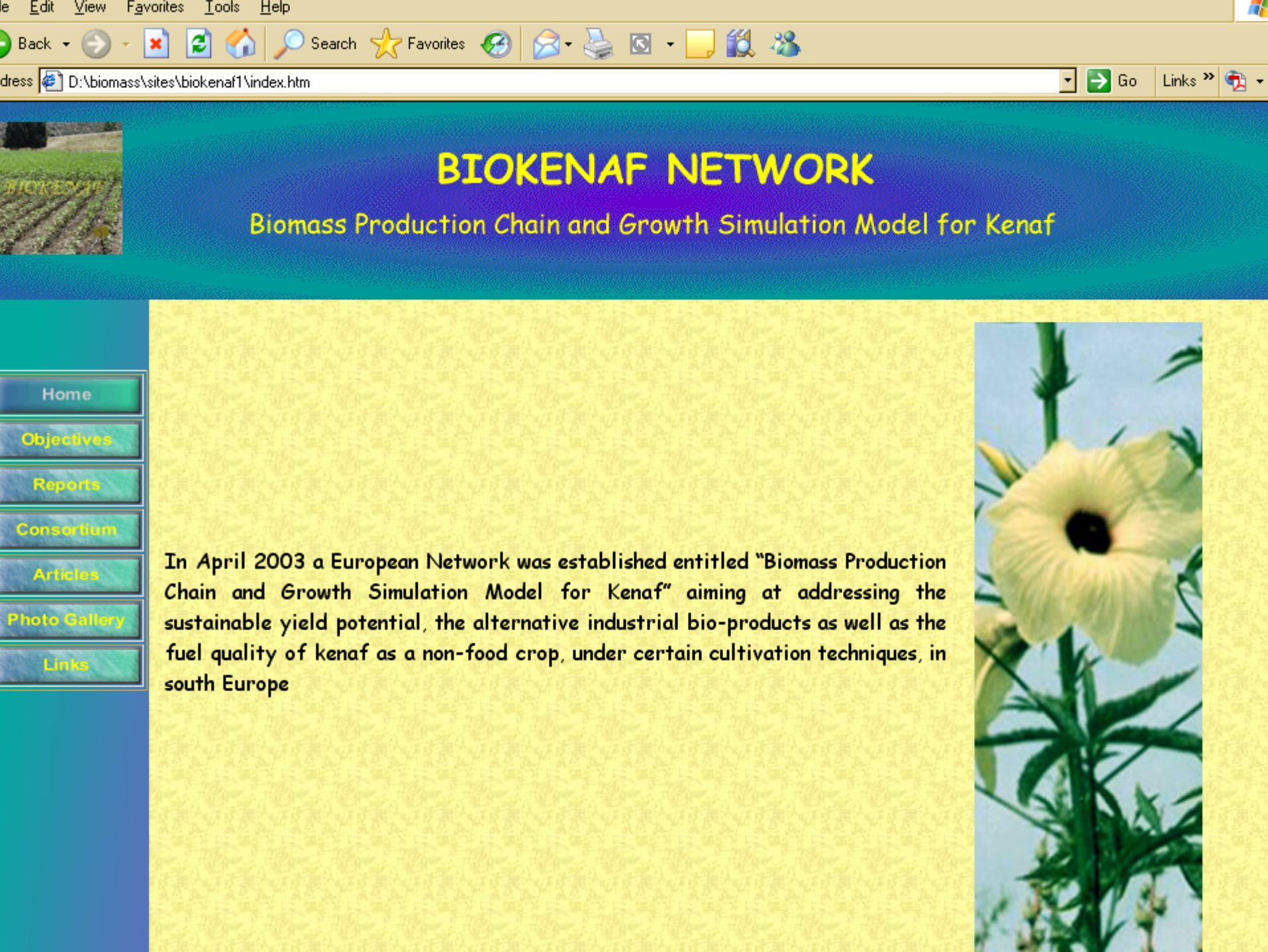
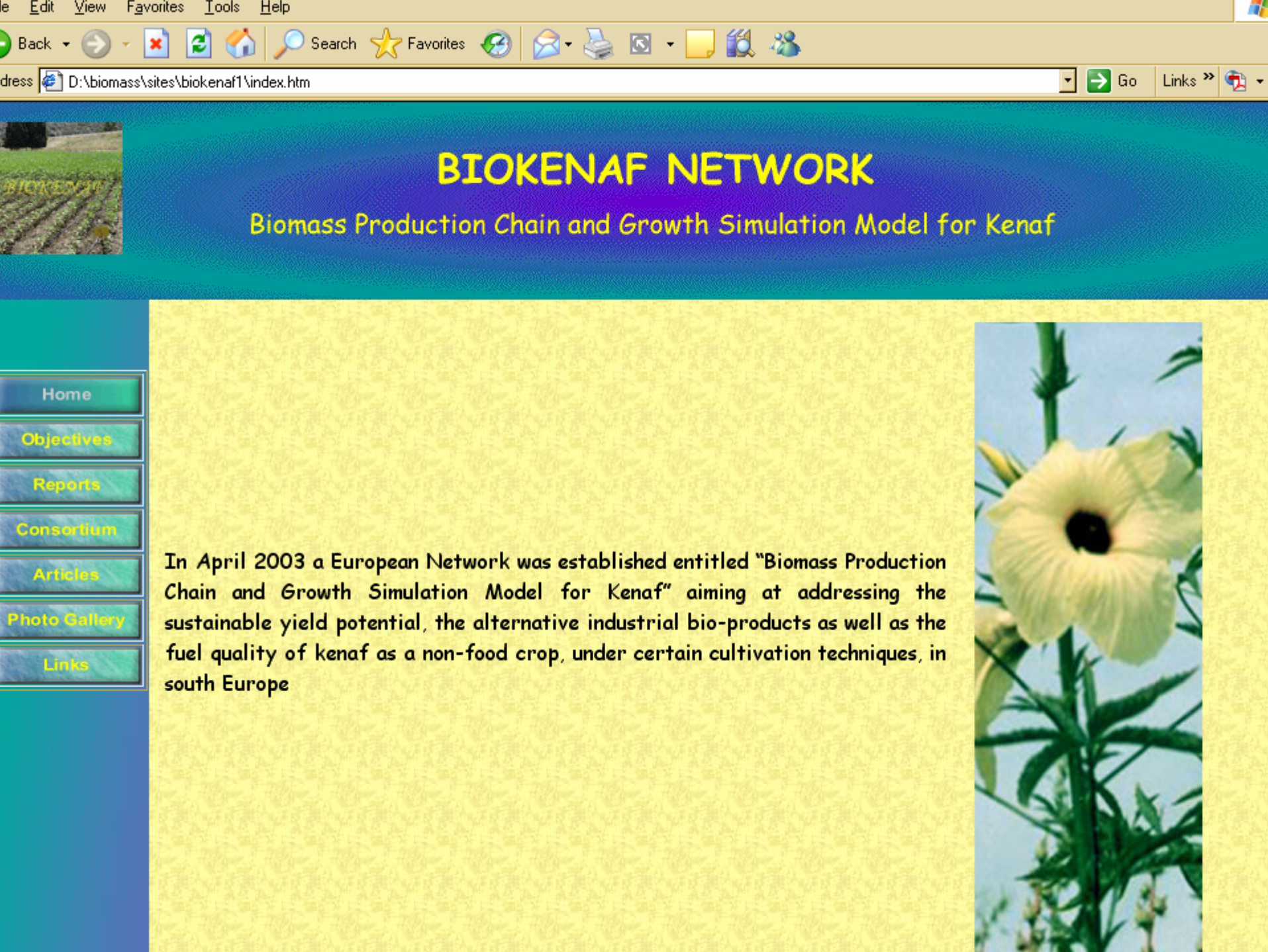
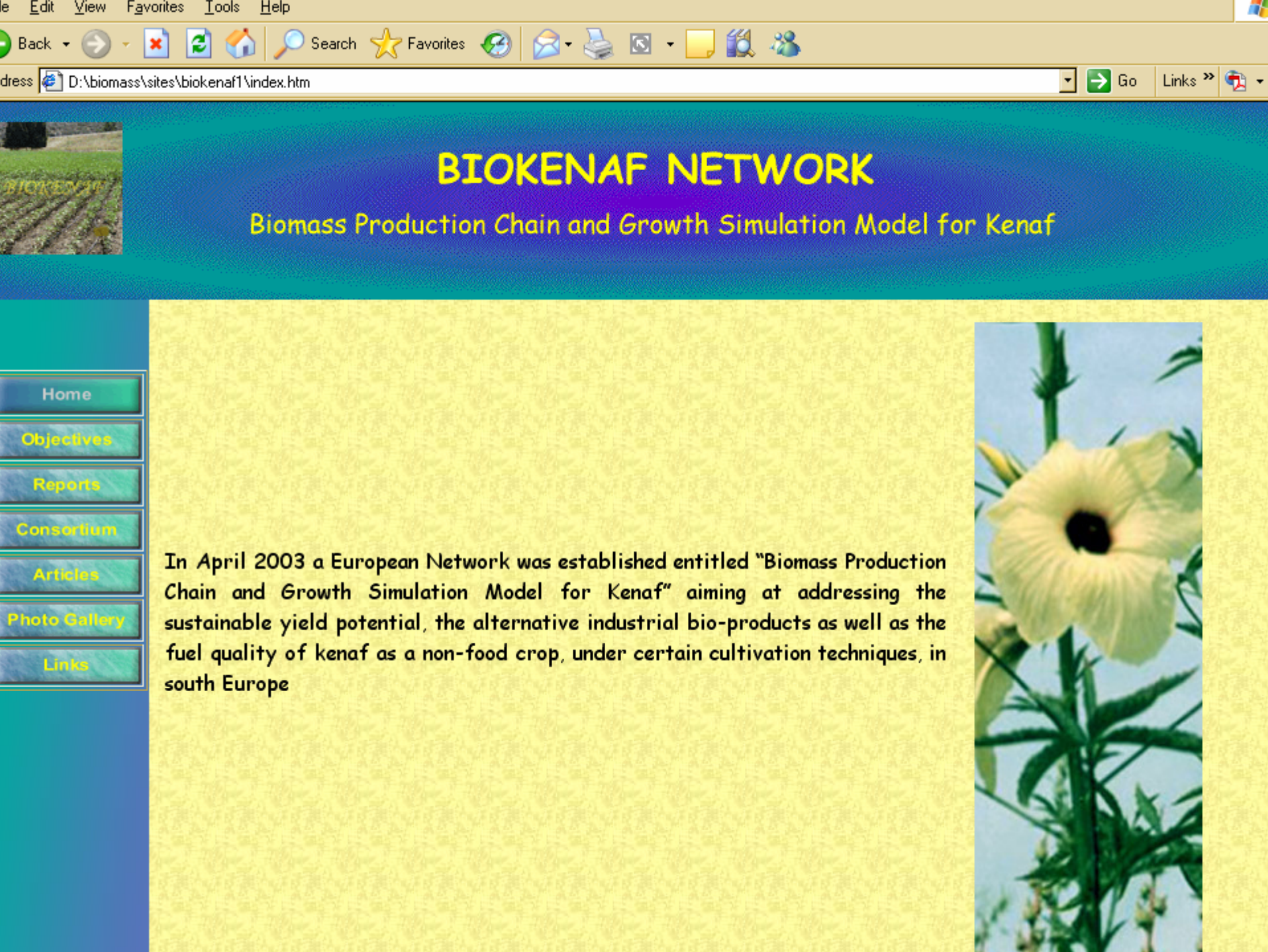
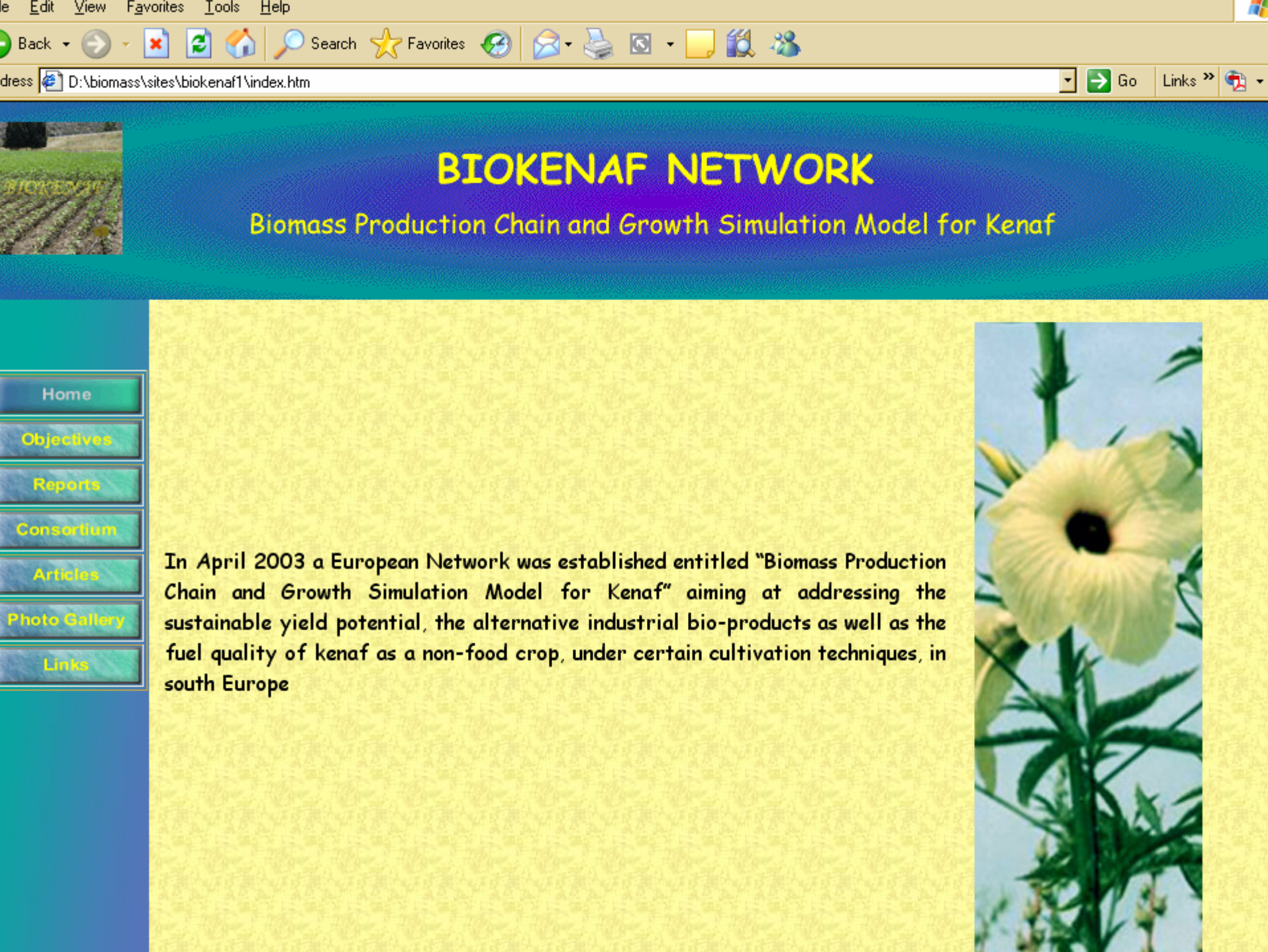
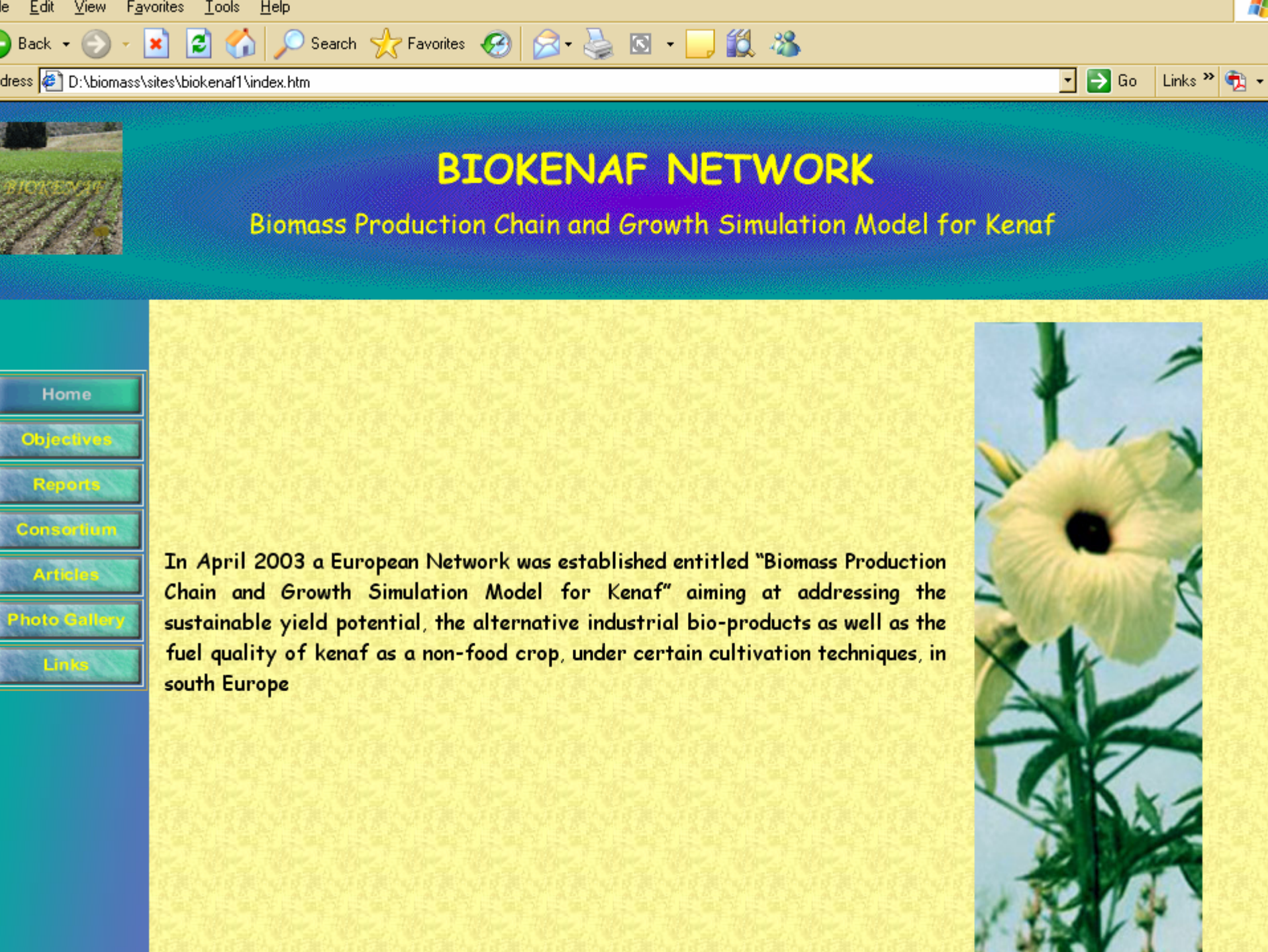
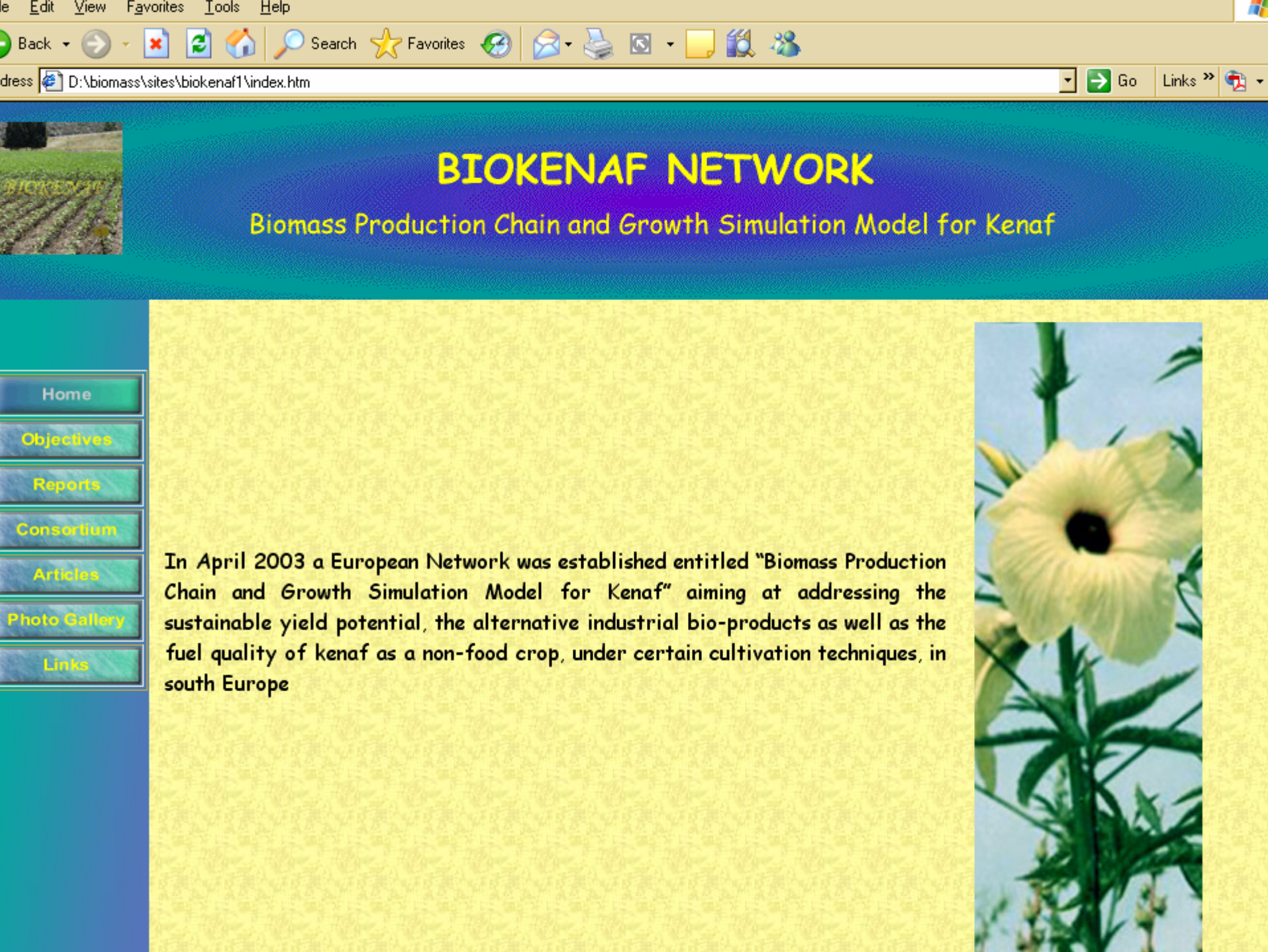
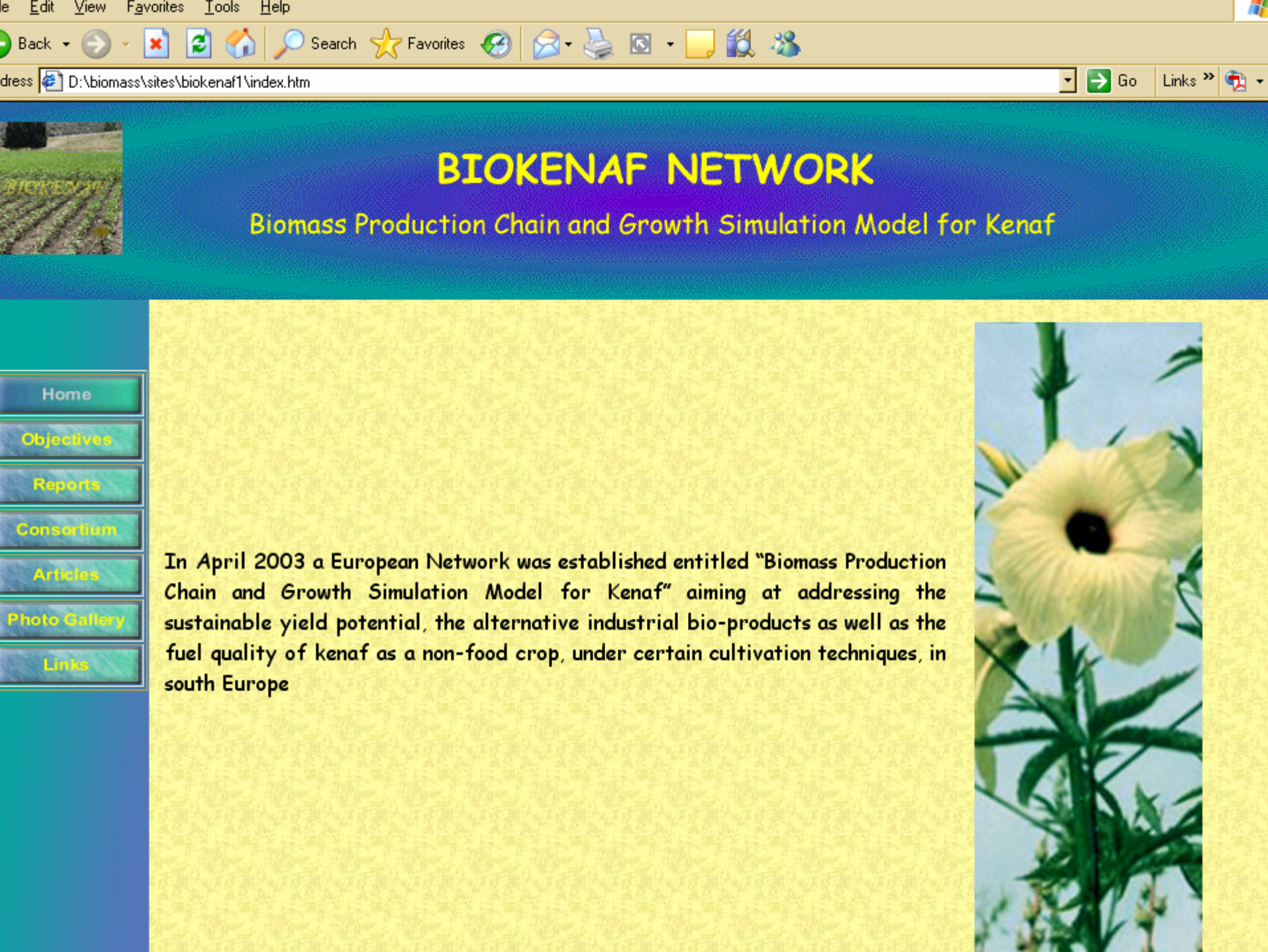
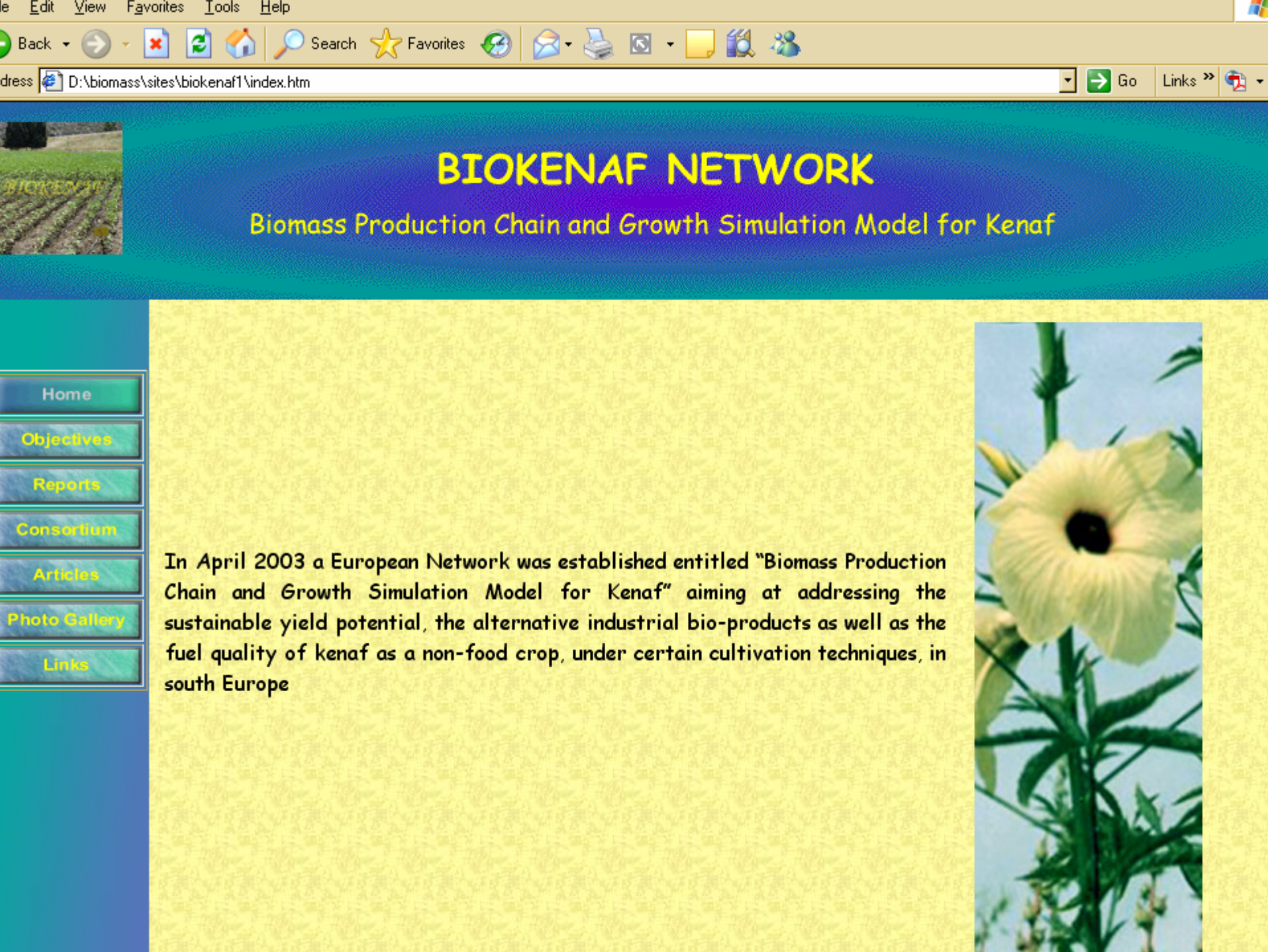
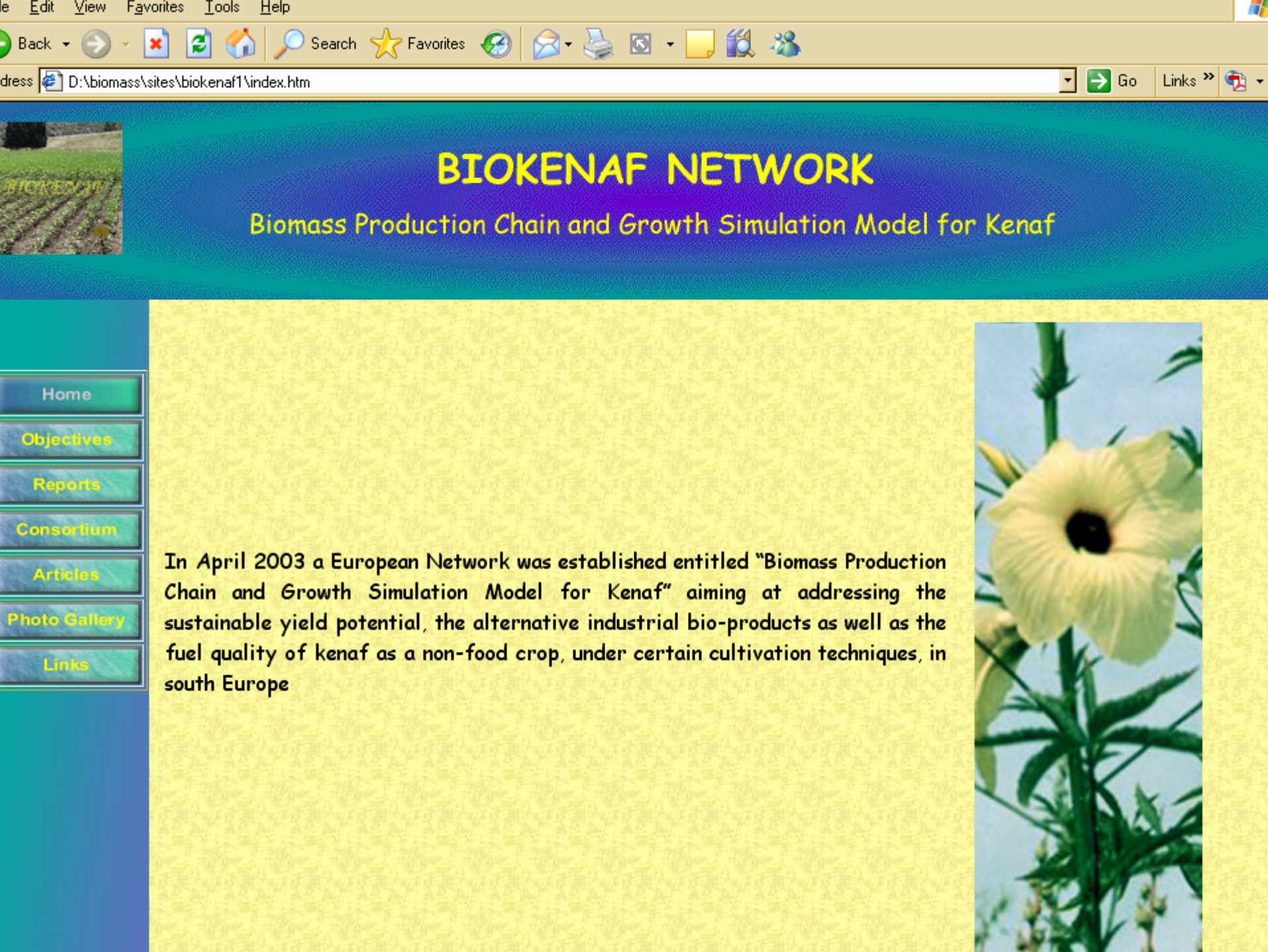


# Work that was done after the last technical meeting in Catania

**Presentation of the BIOKENAF results in Paris (17-21/10/05, 14<sup>th</sup> European Biomass Conference)**

- ⇒ Characterization of kenaf potential in Portugal as an industrial and energy feedstock - the second of crop management, 2<sup>nd</sup> year experiments (Fernando et al) Poster presentation
- ⇒ Growth and biomass productivity of kenaf as biomass crop in central Greece (Danalatos et al) Poster presentation
- ⇒ Leaf photosynthesis of kenaf (variety Everglades 41) as affected by different light intensity and temperature regimes (Danalatos et al) Poster presentation





## Work that was done after the last technical meeting in Catania

### Establishment of the third year field trials

- A large number of measurements and harvests were done in all the field trials that were conducted in all WP2 partners and the results that have already collected and evaluated are going to be presented today.
- Comparison among the three years results.



## Work that was done after the last technical meeting in Catania

### WP3 - Model development

- After the Lisbon meeting a excel file with what data from WP2 needed sent it to WP2 partners for the model development.
- The software needed for the model was developed and it was first used by using data from the fields of University of Volos.
- Some of the partners have already sent data to Prof. Danalatos but still data are missing.



# Work that was done after the last technical meeting in Catania

## WP5

A&F is being carried out trials with the feedstock that received from the CETA in March 2005 and the results will be presented in the next meeting in Spring 2006.

## WP6 - WP7

Although that questionnaires that have been presented from the beginning of the project the data that have been collected is pure. So, all the WP2 partners have to send the data to the leaders of WP6 and WP7 in order to have the ability to present work in the next meeting.



# Deliverables

|    | Deliverables   | Deliverable time |
|----|--|------------------|
| D1 | Updated timetable  | 2                |
| D2 | Link establishment with AKS                              | 3                |
| D3 | Detailed literature review for kenaf                     | 3                |
| D4 | Protocols for all field trials                           | 3                |
| D5 | First final report and minutes for the project meetings  | 13               |
| D6 | Second final report and minutes for the project meetings | 25               |
| D7 | Data collection for the growth model                     | 6-36             |



# Deliverables

|     | Deliverables  | Deliverable time |
|-----|---|------------------|
| D8  | List with the appropriate cultivation techniques                              | 36               |
| D9  | Third year report and minutes for the project meetings                        | 37               |
| D10 | List of appropriate harvesting dates and methods                              | 12-38            |
| D11 | A dynamic growth model and biomass production simulation model                | 42               |
| D12 | Technical specifications of kenaf based products for selected industrial uses | 12-40            |



# Deliverables

|     | Deliverables  | Deliverable time |
|-----|---|------------------|
| D13 | Economic characteristics and market perspectives for the industrial products                      | 12-40            |
| D14 | Quality characteristics and energy potential of kenaf as a biofuels for thermo chemical processes | 12-40            |
| D15 | Environmental impact assessment and LCA   | 39               |
| D16 | Cost analysis   | 40               |
| D17 | Economic comparison of kenaf with other annual crops  | 40               |



# Deliverables

|     | Deliverables   | Deliverable time |
|-----|--|------------------|
| D18 | Seminars for the dissemination of the demo fields in Greece, Italy and Spain | 36-40            |
| D19 | Technical visits for farmers in the 2 ha fields                              |                  |
| D20 | Handbook   | 42               |
| D21 | Booklet  | 40               |
| D22 | Papers in European and International conferences and journals                | 42               |
| D23 | Final report   | 42               |



| Actions to be done in the next six months   | Delivery date       |
|---|---------------------|
| Web site of biokenaf without the reports  | now                 |
| Extension   | now                 |
| Data regarding WP3, WP5, WP6, WP7 AND WP8 in order the leaders of the above mentioned packages to have enough time until the next meeting in Spring 2006 to work. | As soon as possible |
| Third year report and cost statement  | 28/2/06             |

