```javascript
var canvas = document.getElementById('canvas');
var ctx = canvas.getContext('2d');
var ratio = 1;
var objects = [];

var btn21 = document.querySelector("#btn-21");
var btn22 = document.querySelector("#btn-22");
var btn24 = document.querySelector("#btn-24");

var elements = document.getElementsByClassName("go_strand-btn");

var year = 2021;

canvas.addEventListener("click", function(event){
  var x = event.offsetX;
  var y = event.offsetY;

  objects.forEach(function(object) {
    if (x > object.x && y > object.y && x < object.x2 && y < object.y2) {
        console.log(object.description);
        ctx.font = "30px Arial";
        ctx.fillStyle = 'white';
        ctx.fillRect(object.x - 15, object.y - 30, 200, 50);
        ctx.fillStyle = 'black';
        ctx.fillText(object.description, object.x, object.y);
    }
  });
})

var projects =
`[...
`

// Json file comments
/*
Line: 24: Gebied 2 en 3 horen bij elkaar. Nu zijn ze losse gebiede. Of kan 1 groot gebied ook?
Line: 35 t/m 49 zijn 2 gebieden die bij elkaar horen.
Line: 60 t/m 73 zijn 2 gebieden die bij elkaar horen.
*/

var projectsArray = JSON.parse(projects);

console.log(projectsArray[0]);

function init(imgSrc) {
  var img = new Image();
    img.onload = function() {console.log(img)
      canvas.width =  canvas.getBoundingClientRect().width;
      canvas.height = this.naturalHeight / this.naturalWidth * canvas.getBoundingClientRect().width;

      ratio = canvas.width / this.naturalWidth;
      ctx.drawImage(this, 0, 0, canvas.width, canvas.height);

      for (var i = 0; i < projectsArray.length; i++) {
        // console.log(projectsArray[i]);
```

```javascript
                var img = new Image();
                img.project = projectsArray[i];
                    img.onload = function() {
                        var width = this.naturalWidth * ratio;
                        var height = this.naturalHeight * ratio;
                        var x = this.project.originalX * ratio;
                        var y = this.project.originalY * ratio;

                        this.project.x = x;
                        this.project.y = y;
                        this.project.x2 = x + width;
                        this.project.y2 = y + height;
                        this.project.width = width;
                        this.project.height = height;
                    };
                    img.src = projectsArray[i].url;
            }

        };
        img.src = imgSrc;
    }
    init('img/map-heden.jpg');

    // welke bg, welk jaar

    // json init en draw

    function draw(backgroundUrl, year) {
      var filteredJson = projectsArray.filter(function(item) {
        return item.year == year;
      });

      var img = new Image();
      img.onload = function() {console.log(img)

       ctx.drawImage(this, 0, 0, canvas.width, canvas.height);

        for (var i = 0; i < filteredJson.length; i++) {
          // console.log(projectsArray[i]);

          var img = new Image();
          img.project = filteredJson[i];
            img.onload = function() {
              ctx.drawImage(this, this.project.x, this.project.y, this.project.width, this.project.height);
              console.log(this.project);

            };
            img.src = filteredJson[i].url;
        }

      };
      img.src = backgroundUrl;

      console.log(filteredJson);
```

```
198    for (var i = 0; i < elements.length; i++) {
199      elements[i].addEventListener('click', function(){
200        year = this.getAttribute("data-year");
201        var background = 'img/map-heden.jpg';
202        if (document.querySelector('#go_plattegrond-verleden').checked) {
203          background = 'img/map-verleden.jpg';
204        }
205        draw(background, year)
206
207      })
208    }
209
210    document.querySelector('#go_plattegrond-verleden').addEventListener('change', function(e) {
211      var background = 'img/map-heden.jpg';
212      if (e.currentTarget.checked) {
213        background = 'img/map-verleden.jpg';
214      }
215      draw(background, year);
216    })
217
218    canvas.addEventListener("click", function(event){
219      var x = event.offsetX;
220      var y = event.offsetY;
221
222      var filteredJson = projectsArray.filter(function(item) {
223        return item.year == year;
224      });
225
226      filteredJson.every(function(object) {
227        if (x > object.x && y > object.y && x < object.x2 && y < object.y2) {
228          alert(object.description);
229          return false;
230        }
231      });
232      console.log(event, filteredJson)
233    })
```